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OM protein - protein search, using SW model

Run on: December 5, 2005, 09:31:13 ; Search time 164 Seconds

919.734 Million cell updates/sec

Title: US-10-077-698-1
Perfect score: 1846
Sequence: 1 NSPECARAAGDAPLRLSLEQAKGAILDTPTSVKRNDLSRISG 361

Scoring table: BLOSUM62

Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%; Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA Main:

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2: /cgnd_6/ptodata/1/pubpaa/us08_PUBCOMB.pep;*
3: /cgnd_6/ptodata/1/pubpaa/us09_PUBCOMB.pep;*
4: /cgnd_6/ptodata/1/pubpax/us10_PUBCOMB.pep;*
5: /cgnd_6/ptodata/1/pubpaa/us10b_PUBCOMB.pep;*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	1846	100.0	361	3 US-09-992-331-2
2	1846	100.0	361	4 US-10-056-181-2
3	1846	100.0	361	4 US-10-056-181-2
4	1846	100.0	361	4 US-10-077-698-1
5	1846	100.0	361	4 US-10-171-027-1
6	1846	100.0	361	4 US-10-075-987-1
7	1846	100.0	361	5 US-10-149-826-20
8	1846	100.0	599	5 US-10-505-886-32
9	1838	99.6	361	3 US-09-995-225-8
10	1838	99.6	361	3 US-09-995-225-8
11	1831.5	99.2	360	4 US-10-262-313-2
12	1831.5	99.2	360	4 US-10-768-878-2
13	1769	95.8	361	4 US-10-225-67A-682
14	1591	86.2	361	4 US-10-086-181-5
15	1591	86.2	361	4 US-10-077-698-4
16	1591	86.2	361	4 US-10-171-027-4
17	1591	86.2	361	4 US-10-075-987-4
18	1541	83.5	300	4 US-10-077-698-5
19	1541	83.5	300	4 US-10-075-987-6
20	1353	73.3	300	4 US-10-077-698-7
21	1353	73.3	300	4 US-10-075-987-7
22	959	52.0	221	4 US-10-116-252-12
23	959	52.0	221	4 US-10-017-161-1810
24	959	52.0	221	4 US-10-292-798-1466
25	639	34.6	429	4 US-10-276-774-1615
26	628	34.0	356	3 US-09-791-932-70
27	25.4	3	1867569	US-09-791-932-93

ALIGNMENTS

RESULT 1
US-09-992-331-2
; Sequence 2, Application US/0992331
; Publication No. US20030022186A1
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINIER, GABE
; APPLICANT: RAMAVENTHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRBMV18,
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782
; PRIOR FILING DATE: 2001-01-16
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-992-331-2

Query Match 100.0%; Score 1846; DB 3; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Score 1846; DB 3; Length 361;
Matches 361; Conservative 0; * Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPCARAAGDAPLRLSLEQAKGAILDTPTSVKRNDLSRISG 60
Db 1 MSPCARAAGDAPLRLSLEQAKGAILDTPTSVKRNDLSRISG 60

QY 61 ALVLVARRRRGATACVNLFCADLFLTSAPVPLAVRWTAEMLGVACHLPYML 120
Db 61 ALVLVARRRRGATACVNLFCADLFLTSAPVPLAVRWTAEMLGVACHLPYML 120

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Db 121 SGSTILTLAAVSLERMVCIVHLQRQVGPGRRARAVIALVINGYSAVAALPVCVERV 180

QY 181 PORLGQDQEISCTLIMPTIPGRRISWQSPVTFNLFPGLVIVISKSILQITKARR 240
Db 181 PORLGQDQEISCTLIMPTIPGRRISWQSPVTFNLFPGLVIVISKSILQITKARR 240

QY 241 LTVSLLAYSESHQTRVSSQDFRLFRLFLIMVSPIIMSPPIITILLIQLNFKQDLVWP 300

|||||||||TITLE OF INVENTION: DISORDERS, INCLUDING OBESITY AND DIABETES
; FILE REFERENCE: MNI-220
; CURRENT APPLICATION NUMBER: US/10/086 181
; PRIORITY APPLICATION NUMBER: 60/271,655
; PRIORITY FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-086-181-2
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Best Local Similarity 100.0%; Pred. No. 8.2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Query 1 MSPECARAAGDAPLSRSLQEANRTRPFPSSDVKGDRHLVLAETTVVLIFAVSLGNVC 60
Db 1 MSPECARAAGDAPLSRSLQEANRTRPFPSSDVKGDRHLVLAETTVVLIFAVSLGNVC 60
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Db 61 ALIVVARARRRGATACLVNLFCADLFLISAIPLVPLVAVRWTBMLGPAVCHILFYVMTL 120
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Db 121 SGSVTILTAAVSLEMRWYCIVHLQGRGPRGRARAVIALIYGSAVALPLCVFPRV 180
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Db 181 PORLGADOEISICLTUWPTICELSIDMSFVTLNFWYPLGVIVISYSKILQITKASRK 240
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Db 301 SLFFWWVAFTFANSALNPILYNNMLCRNEWKKIFCCFWPEKGAILDTSVKENDLSTIS 360
Query 361 G 361
Db 361 G 361
; RESULT 3
; US-10-086-181-2
; Sequence 2, Application US/10086181
; Publication No. US2002017715A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; RESULT 4
; US-10-077-698-1
Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162;
; ORGANISM: Homo sapiens
; US-10-077-698-1
Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162;
; ORGANISM: Homo sapiens
; US-10-077-698-1
Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162;

Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAAGDAPLSLEQANRTRPFFSYKGDRHLVLAVENTVLVLFIAVSLGNVC 60
Db 1 MSPECARAAGDAPLSLEQANRTRPFFSYKGDRHLVLAVENTVLVLFIAVSLGNVC 60

Qy 61 ALVUARRERRGATACLVNLFCADLFLISAIPLVLAVENTVLVLFIAVSLGNVC 60
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Qy 121 SGSVTILTLAUVSLERMVCTVHORGVRGRRARAVLLIWIYSAVALPLCVFVV 180
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Db 181 PQLPGADOBISICLWPTIPGETSWDVSFVTNFLVPGGLVIVSYSKILQITKASRK 240

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Db 181 PQLPGADOBISICLWPTIPGETSWDVSFVTNFLVPGGLVIVSYSKILQITKASRK 240

Qy 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300
Db 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300

Qy 301 SLFFNWVAFTFANSALNPILYNNMLCRNEWKKIFCCFPPEKGAILTDSVKNDLSIS 360
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Qy 361 G 361
Db 361 G 361

RESULT 5

US-10-171-027-1

; Sequence 1, Application US/10171027
; Publication No. US20030073168A1

; GENERAL INFORMATION:

; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Recepto

; FILE REFERENCE: MINI-204CP3

; CURRENT APPLICATION NUMBER: US/10/171,027

; CURRENT FILING DATE: 2002-06-12

; PRIOR APPLICATION NUMBER: US/07/456,455

; PRIOR FILING DATE: 1999-12-08

; PRIOR APPLICATION NUMBER: 09/223,538

; PRIOR FILING DATE: 1998-12-30

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 1

; LENGTH: 361

; TYPE: PRT

; ORGANISM: Homo sapiens

Query Match 100.0%; Score 1846; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 8_2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECARAAGDAPLSLEQANRTRPFFSYKGDRHLVLAVENTVLVLFIAVSLGNVC 60
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Qy 61 ALVUARRERRGATACLVNLFCADLFLISAIPLVLAVENTVLVLFIAVSLGNVC 60
Db 61 ALVUARRERRGATACLVNLFCADLFLISAIPLVLAVENTVLVLFIAVSLGNVC 60

Qy 121 SGSVTILTLAUVSLERMVCTVHORGVRGRRARAVLLIWIYSAVALPLCVFVV 180
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Db 181 PQLPGADOBISICLWPTIPGETSWDVSFVTNFLVPGGLVIVSYSKILQITKASRK 240

Qy 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300
Db 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300

Qy 301 SLFFNWVAFTFANSALNPILYNNMLCRNEWKKIFCCFPPEKGAILTDSVKNDLSIS 360
Db 301 SLFFNWVAFTFANSALNPILYNNMLCRNEWKKIFCCFPPEKGAILTDSVKNDLSIS 360

Qy 361 G 361
Db 361 G 361

RESULT 6

US-10-075-987-1

; Sequence 1, Application US/10075987
; Publication No. US20030165061A1

; GENERAL INFORMATION:

; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Recepto

; FILE REFERENCE: 5800-4B, 035800/17/086

; CURRENT APPLICATION NUMBER: US/10/075,987

; CURRENT FILING DATE: 2002-02-13

; PRIOR APPLICATION NUMBER: US/09/261,599B

; PRIOR FILING DATE: 1999-02-26

; PRIOR APPLICATION NUMBER: 09/223,538

; PRIOR FILING DATE: 1998-12-30

; NUMBER OF SEQ ID NOS: 7

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO: 1

; LENGTH: 361

; TYPE: PRT

; ORGANISM: Homo sapiens

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Best Local Similarity 100.0%; Pred. No. 8_2e-162;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MSPECARAAGDAPLSLEQANRTRPFFSYKGDRHLVLAVENTVLVLFIAVSLGNVC 60

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Db 61 ALVUARRERRGATACLVNLFCADLFLISAIPLVLAVENTVLVLFIAVSLGNVC 60

Qy 121 SGSVTILTLAUVSLERMVCTVHORGVRGRRARAVLLIWIYSAVALPLCVFVV 180
Db 121 SGSVTILTLAUVSLERMVCTVHORGVRGRRARAVLLIWIYSAVALPLCVFVV 180

Qy 181 PQLPGADOBISICLWPTIPGETSWDVSFVTNFLVPGGLVIVSYSKILQITKASRK 240
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Qy 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300
Db 241 LTVSPLAYSESHQIRVSQDPLFRTRPLMVSFFIMSPITILLIONKODLIVWP 300

Qy 301 SLFFNWVAFTFANSALNPILYNNMLCRNEWKKIFCCFPPEKGAILTDSVKNDLSIS 360
Db 301 SLFFNWVAFTFANSALNPILYNNMLCRNEWKKIFCCFPPEKGAILTDSVKNDLSIS 360

Qy 361 G 361
Db 361 G 361

RESULT 7

US-10-149-826-20

; Sequence 20, Application US/10149826

; Publication No. US20040224314A1

; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLECT: BURFORD, Neil
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YAU-YOUNG, Janice
; APPLICANT: YANG, Junming
; APPLICANT: LU, Duying Aina M.
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: PI-0001 PCT
; CURRENT APPLICATION NUMBER: US/10/149,826
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
; PRIOR FILING DATE: 1999-12-10; 1999-12-22; 2000-01-14; 2000-01-21
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO: 201
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 5029478CD1

US-10-149-826-20

Query Match 100.0%; Score 1846; DB 5; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-162; Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAAGDAPLSLEQANTRPFSDVKGDRHRLVAEVETTVULIFAVSLLGNC 60
1 MSPECARAAGDAPLSLEQANTRPFSDVKGDRHRLVAEVETTVULIFAVSLLGNC 60

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Db 61 ALVIVARRRRGATACLYNLCAADLFISATPLVLAVRWTAAWLLGPVACHLFYML 120
61 ALVIVARRRRGATACLYNLCAADLFISATPLVLAVRWTAAWLLGPVACHLFYML 120

Db 121 SGSVTILTLAASLERNVCIHVLRGVRGRARRAVVLLALIINGYSAVAALPLCVFRVV 180
121 SGSVTILTLAASLERNVCIHVLRGVRGRARRAVVLLALIINGYSAVAALPLCVFRVV 180

Db 121 SGSVTILTLAASLERNVCIHVLRGVRGRARRAVVLLALIINGYSAVAALPLCVFRVV 180
121 SGSVTILTLAASLERNVCIHVLRGVRGRARRAVVLLALIINGYSAVAALPLCVFRVV 180

QY 181 PORLPGADOEISICLTLWPIPTGEISWDVSFTVFLVPGIVIVISKIQLQTAKRK 240
181 PORLPGADOEISICLTLWPIPTGEISWDVSFTVFLVPGIVIVISKIQLQTAKRK 240

Db 241 LTSLVLAESHEQIRVSQDFRFLFLVMSFFIMSPITITLILQNKODLWIP 300
241 LTSLVLAESHEQIRVSQDFRFLFLVMSFFIMSPITITLILQNKODLWIP 300

QY 301 SLFWWVAFTFANSALNPILYNTLCRNEWKK1FCCWFPEKGAILDTSVKRNDLIS 360
301 SLFWWVAFTFANSALNPILYNTLCRNEWKK1FCCWFPEKGAILDTSVKRNDLIS 360

Db 361 G 361
Db 361 G 361

RESULT 9
US-09-995-225-8
; Sequence 8, Application US/09995225
; Publication No. US20020193584A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huong T.
; APPLICANT: Lovitz, Kevin P.
; APPLICANT: Pride, Cameron
; TITLE OF INVENTION: Endogenous And No. US 20020193584A1-Endogenous Versions of Human
; TITLE OF INVENTION: Receptor
; FILE REFERENCE: AREN-0308
; CURRENT APPLICATION NUMBER: US/09/995,225
; CURRENT FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 091170,496
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: PCT/US99/23938
; PRIOR FILING DATE: 1998-10-13
; PRIOR APPLICATION NUMBER: 60/253,404
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/255,366
; PRIOR FILING DATE: 2000-12-12
; PRIOR APPLICATION NUMBER: 60/270,286
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,365
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/270,266
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/282,032
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,358

RESULT 8
US-10-505-486-32
Sequence 32, Application US/1055486
Publication No. US20030118639A1
GENERAL INFORMATION:
APPLICANT: Takeda Chemical Industries, Ltd.
TITLE OF INVENTION: Determination of a ligand
FILE REFERENCE: P03-0006PCT
CURRENT APPLICATION NUMBER: US/10/505,486
CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: JP 2002-45728
PRIOR FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: JP 2002-213949
PRIOR FILING DATE: 2002-07-23
PRIOR APPLICATION NUMBER: JP 2002-298237
PRIOR APPLICATION NUMBER: JP 2002-298237

Page
5

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-262-313-2

Query Match 99.2%; Score 1831.5; DB 4; Length 360;
Best Local Similarity 99.7%; Pred. No. 1.8e-160;
Matches 360; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MSPCARAMGADPLRSLEQANRTRPFPSDVKGDRHLVLAVENTVVLIFAVSLGLGVNC 60
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Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 1 MSPECARAMGADPLRSLEQANRTRPFPSDVKGDRHLVLAVENTVVLIFAVSLGLGVNC 60
1 MSPECARAMGADPLRSLEQANRTRPFPSDVKGDRHLVLAVENTVVLIFAVSLGLGVNC 60
Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 1 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
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Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 1 SGSVTILTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 180
1 SG-VTILTTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 180
Db 121 SG-VTILTTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 179
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1 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 1 SGSVTILTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 180
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Db 121 SG-VTILTTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 179
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Db 240 LTVSLAYSESHQIRVSQDFRLFRFLFLIMVSFTMSPIMSPITLILLIONFKDLVWP 299
QY 301 SLFFWWVAFTFANSALNPILYNMTCRNEWKKIFCCFPPEKGAILDTSVKNDLSIS 360
300 SLFFWWVAFTFANSALNPILYNMTCRNEWKKIFCCFPPEKGAILDTSVKNDLSIS 359
Db 300 SLFFWWVAFTFANSALNPILYNMTCRNEWKKIFCCFPPEKGAILDTSVKNDLSIS 359
QY 361 G 361
Db 360 G 360

RESULT 12
US-10-768-878-2

; Sequence 2, Application US 10768878
; Publication No. US20040161823A1

; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY1^B, EXPRESSED
; CURRENTLY IN PITUITARY GLAND, COLON CARCINOMA, AND LUNG CANCER CELL
; FILE REFERENCE: D0048A CIP2
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: U.S. 60/248,483
; PRIOR FILING DATE: 2000-11-14
; PRIOR APPLICATION NUMBER: U.S. 10/262,313
; PRIOR FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 60/261,782
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: U.S. 60/308,540
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-225-567A-682

Query Match 95.8%; Score 1769; DB 4; Length 361;
Best Local Similarity 97.2%; Pred. No. 1e-154; Mismatches 9; Indels 0; Gaps 0;
Matches 351; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 MSPECARAMGADPLRSLEQANRTRPFPSDVKGDRHLVLAVENTVVLIFAVSLGLGVNC 60
1 MSPECARAMGADPLRSLEQANRTRPFPSDVKGDRHLVLAVENTVVLIFAVSLGLGVNC 60
Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 1 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
1 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
Db 61 ALVIVARRRRGATACLVNLFCADLFLISAIPLVLAVENTVVLIFAVSLGLGVNC 60
QY 121 SGSVTILTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 180
121 SGSVTILTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 180
Db 121 SG-VTILTTLAASLVRMWCIVHQLORGVRGPGRARAVIALWGSAYAVALPCLVFRV 179
QY 181 PORPGADEBISICTLIMPTIPGETSWDVSFVTINFLVGLVIVVISYSKILQTKASRK 240
181 PORPGADEBISICTLIMPTIPGETSWDVSFVTINFLVGLVIVVISYSKILQTKASRK 240
Db 181 PORPGADEBISICTLIMPTIPGETSWDVSFVTINFLVGLVIVVISYSKILQTKASRK 240
QY 241 LTVSLAYSESHQIRVSQDFRLFRFLFLIMVSFTMSPIMSPITLILLIONFKDLVWP 300

```

|||||||LTVSLAYSRHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Db 241 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Qy 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Db 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Qy 361 G 361
Db 361 G 361

RESULT 14
US-10-086-181-5
; Sequence 5, Application US/10086181
; Publication No. US2002017715A1
; GENERAL INFORMATION:
; APPLICANT: GIMENO, Ruth
; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
; DISORDERS, INCLUDING OBESITY AND DIABETES
; PRIORITY REFERENCE: MNI-122
; CURRENT APPLICATION NUMBER: US/10/086,181
; CURRENT FILING DATE: 2002-02-26
; PRIOR APPLICATION NUMBER: 60/271,655
; PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
; US-10-086-181-5

Query Match 86.2%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.8e-138;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
Matchee 309; Conservative 32; Indels 0; Gaps 0;

Qy 1 MSPECARAAGDAPLRSLEQNTRPFFSDVKGDHRLVLAVENTVLVLFASVLSIGNVC 60
Db 1 MSPECQTGPGPSHTLDQYNTRTHPPFSVDVKGDHRLVLSVETVTGLFVVSIGNVC 60
Qy 61 ALVLVARRRRGATACLVNLFCADLFLSAPLVLAVRTEAMWLGPAUCHLRYVMTL 120
Db 61 ALVLVARRRRGATACLVNLFCADLFLSAPLVLAVRTEAMWLGPAUCHLRYVMTL 120
Qy 121 SGSVTITLAASLVRMVCVHLORGVRGRARRAVULLALIWGSAVAALPLCVFFRV 180
Db 121 SGSVTITLAASLVRMVCVHLORGVRGRARRAVULLALIWGSAVAALPLCVFFRV 180
Qy 181 PORLGADQEIISCTIIMPPTGEISWDYSEVTINFLPGIVLIVTSYSKIQLQTKASRK 240
Db 181 PORLGADQEIISCTIIMPPTGEISWDYSEVTINFLPGIVLIVTSYSKIQLQTKASRK 240
Qy 241 LTVSLAYSRHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Db 241 LTVSLAYSRHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Qy 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Db 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360

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|||||||LTVSLAYSESHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Db 181 PORLGADQEIISCTIIMPPTGEISWDYSEVTINFLPGIVLIVTSYSKIQLQTKASRK 240
Qy 181 PORLGADQEIISCTIIMPPTGEISWDYSEVTINFLPGIVLIVTSYSKIQLQTKASRK 240
Db 181 PORLGADQEIISCTIIMPPTGEISWDYSEVTINFLPGIVLIVTSYSKIQLQTKASRK 240
Qy 241 LTVSLAYSESHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Db 241 LTVSLAYSESHOIRVSQODFLRFLPLMWSFFIMSPIDTLILIONFKDOLIVW 300
Qy 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Db 301 SLFFWVVAFTPANSALNPILYNMTCRNEWKKIFCCFWPEKGAILTDTSVKRNDLIS 360
Search completed: December 5, 2005, 09:44:26
Job time : 165 sec
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RESULT 15
US-10-077-698-4
; Sequence 4, Application US/10077698
; Publication No. US20030008350A1
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030008350A1 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800177086
; CURRENT APPLICATION NUMBER: US/10/077,698
; CURRENT FILING DATE: 2002-02-13
; PRIOR APPLICATION NUMBER: 09/261,599
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 5, 2005, 09:31:28 ; Search time 11 Seconds

Sequence: 1 MSPECARAAGDAPLRLSLEQAKA.....KGAILPTSVKRNDLSIISG 361 [57.144 Million cell updates/sec]

Title: US-10-077-698-1
Perfect score: 1846
Sequence: 1 MSPECARAAGDAPLRLSLEQAKA.....KGAILPTSVKRNDLSIISG 361

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 26661 seqs, 4788334 residues

Total number of hits satisfying chosen parameters: 26661

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Published Applications AA_New:*

1: /cgns_6/prodata/2/pubpaa/US09_NEW_PUB_PEP: *
2: /cgns_6/prodata/2/pubpaa/US06_NEW_PUB_PEP: *
3: /cgns_6/prodata/2/pubpaa/US07_NEW_PUB_PEP: *
4: /cgns_6/prodata/2/pubpaa/US08_NEW_PUB_PEP: *
5: /cgns_6/prodata/2/pubpaa/PCT_NEW_PUB_PEP: *
6: /cgns_6/prodata/2/pubpaa/US10_NEW_PUB_PEP: *
7: /cgns_6/prodata/2/pubpaa/US11_NEW_PUB_PEP: *
8: /cgns_6/prodata/2/pubpaa/US60_NEW_PUB_PEP: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	628	34.0	356	US-10-980-388-70 Sequence 70, Appl
2	468	25.4	140	US-10-980-388-93 Sequence 93, Appl
3	259.5	14.1	355	US-11-068-865-4 Sequence 4, Appl
4	230.5	12.5	419	US-11-067-884-8 Sequence 8, Appl
5	222.5	12.2	417	US-10-992-577-44 Sequence 44, Appl
6	220.5	11.9	432	US-10-992-577-2 Sequence 2, Appl
7	217.5	11.8	350	US-10-502-145-1 Sequence 1, Appl
8	217.5	11.8	415	US-10-627-33-2 Sequence 2, Appl
9	212.5	11.5	430	US-10-992-577-8 Sequence 8, Appl
10	209	11.3	352	US-11-068-866-20 Sequence 20, Appl
11	208.5	11.3	420	US-10-992-577-6 Sequence 6, Appl
12	208.5	11.3	522	US-10-510-18-2 Sequence 2, Appl
13	206.5	11.2	409	US-10-627-533-4 Sequence 4, Appl
14	201	10.9	352	US-11-068-86-2 Sequence 2, Appl
15	200.5	10.9	352	US-10-627-33-6 Sequence 6, Appl
16	189	10.2	342	US-10-980-388-118 Sequence 118, Appl
17	188.5	10.2	340	US-10-980-388-117 Sequence 6, Appl
18	184	10.0	358	US-10-980-388-96 Sequence 96, Appl
19	10.0	389	6	US-10-980-388-116 Sequence 116, Appl
20	9.2	440	6	US-10-502-93-2 Sequence 2, Appl
21	8.9	353	7	US-11-067-884-6 Sequence 6, Appl
22	8.8	508	6	US-10-980-388-112 Sequence 112, Appl
23	8.6	364	7	US-11-067-884-2 Sequence 2, Appl
24	8.5	485	6	US-10-980-388-934 Sequence 934, Appl
25	8.5	360	6	US-10-851-667A-26 Sequence 26, Appl

ALIGNMENTS

RESULT 1
US-10-980-388-70
; Sequence 70, Application US/10980388
; Publication No. US20050255490A1
GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebsch, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kayres, Paul S.
; APPLICANT: Ruff, Valerie
; APPLICANT: Huff, Rita M.
TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
FILE REFERENCE: 0325.US1
CURRENT APPLICATION NUMBER: US10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/171,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-980-388-70
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 70
; LENGTH: 356
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-980-388-70
Query Match 34.0%; Score 628; DB 6; Length 356;
Best Local Similarity 78.8%; Pred. No. 3e-46;

RESULT 4

US-11-067-884-9

; Sequence 8, Application US/11067884

; Publication No. US20050261252A1

; GENERAL INFORMATION:

; APPLICANT: Miller, Duane D.

; APPLICANT: Tigray, Gabor

; APPLICANT: Dalton, James T.

; APPLICANT: Sardar, Vaneet M.

; APPLICANT: Elrod, Don B.

; APPLICANT: Xu, Huiping

; APPLICANT: Baker, Daniel L.

; APPLICANT: Wang, Dean

; APPLICANT: Liliom, Karoly

; APPLICANT: Fischer, David J.

; APPLICANT: Virág, Tamás

; APPLICANT: Nuber, Nora

; TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF

; FILE REFERENCE: 2060/9/305

CURRENT APPLICATION NUMBER: US/11/067,884

PRIOR APPLICATION NUMBER: 60/190,370

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 09/811,838

PRIOR FILING DATE: 2001-03-19

NUMBER OF SEQ ID NOS: 26

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO: 8

LENGTH: 419

TYPE: PRT

ORGANISM: Homo sapiens

US-11-067-884-8

Query Match 12.5%; Score 230.5; DB 7; Length 419;

Best Local Similarity 25.8%; Pred. No. 7e-13; Matches 80; Conservative 55; Mismatches 134; Indels 41; Gaps 12;

Qy 37 LVLAAYETTVLVLFAVSLGN-VCALVLUVARRRGATACLVLNIFCAD-LLFISAIPI_ 94

Db 78 LPQTQLTSAIMFILVUSFLGN-VCALVLUVARRRGATACLVLNIFCAD-LLFISAIPI_ 137

Qy 95 VLAVRWTAAWLLGPVACH--LLPYMTLGSVTILTAVASLERNVCIVHLQREGVRGCG_ 151

Db 138 ALVTLITRWFKGFFCRVSAMFWLFLVIEG--VAILLISIDRFLIV--QRDKLNP_ 192

Qy 152 RRARAVYLALLWGYSAVALCLCVF--FRVPPQRULRGADBDISCLIPMPTPGISMDY_ 209

Db 193 YRAK-VLIAVSWATSFCAVFLPLAVGNSNPDQPSRAHO----CVFGYTINPGYQAYVI_ 244

Qy 210 SFVTNLFLVPGIVIVISYSKILQITOASKRL----TVALSYSSHQIRVSQDF---- 260

Db 245 LISLISFFPFLVLYSPFMGLINTLRNAIRHSREGICLQSQASKLGLMSLQRQFQMSI_ 304

Qy 261 -----RLFRFLFLMWSFFMWSPITITLILIONFKDLVWNSLP---FWWVFTP_ 311

Db 305 DMGFKTRAFFTILILPAFTIVCWAPP---TTYSLVATFSKHFYJOHNFFESTWLWLCY_ 361

Qy 312 ANSAANPILY_ 321

Db 362 LKSAALNPLIY_ 371

RESULT 5

US-10-992-577-4

; Sequence 44, Application US/10992577

; Publication No. US20050260687A1

; GENERAL INFORMATION:

; APPLICANT: Gerald, Christophe P.G.

; APPLICANT: Jones, Kenneth A.

; APPLICANT: Bonini, James A.

; APPLICANT: Borowsky, Beth E.

; APPLICANT: Craig, Douglas A.

; TITLE OF INVENTION: And Uses Thereof

; FILE REFERENCE: 57155-D/PW

CURRENT FILING DATE: 2004-11-18

PRIOR APPLICATION NUMBER: US/09/538,036

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: 09/405,558

PRIOR FILING DATE: 1999-09-24

PRIOR APPLICATION NUMBER: 09/255,368

PRIOR FILING DATE: 1999-02-22

PRIOR APPLICATION NUMBER: 09/161,113

PRIOR FILING DATE: 1998-09-25

NUMBER OF SEQ ID NOS: 71

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO: 44

LENGTH: 417

TYPE: PRT

ORGANISM: Rattus norvegicus

US-10-992-577-4

Query Match 12.2%; Score 225; DB 6; Length 417;

Best Local Similarity 23.3%; Pred. No. 2e-12; Matches 79; Conservative 68; Mismatches 128; Indels 64; Gaps 15;

Qy 21 NRTRFFFSVDVKGD----HRLVLAAYETTVLVLFAVSLGN_VCALVLUVARRRG_A_ 73

Db 20 NDTHWYSDNITNTNNYHQPHTYATFSSYELFFLQMGNTWCFVIRNRYHTV_ 79

Qy 74 TACLVNLFCAADLF-ISAIPLVLAWRWTEAWLGLPFVACHLLFYMTLSGSVTILTAAV_ 132

Db 80 TNFFFNLAISDLLVIGIFCPITLNDIITAGWPFGSSMCKISGLVOGISVAASVTLVAI_ 139

Qy 133 SLERMYCIVLQLRGFRGGR----BARAVYLALLWGYSAVALCLCVFVWPO---- 182

Db 140 AVDRFRFCVVY-----PEKEPLTVTAFTAVMIVINGLAITIMTPSAINLHQEEKKYRV_ 192

Qy 183 RLPGDQEISI-CMLWIPITP-GSISWDYFSVTLFLVFLVGLVIVISYSKILQITKASKR_ 239

Db 193 RLSSKKTSTVWTCBDMWQEMRRTYLTFLATE-YLARSLIVVIMA----- 240

Qy 240 RLTVSAYSTSH-----QIRVSQODFLRFTRFLFLMNSFFINWSPITITLILLION_ 291

Db 241 RIGASLKFITSAHSITSKQRLQWHWUSKKKQVKIKMLTIVALLFILSWLPL--WILMMLSD_ 297

Qy 292 FKQ-----DLVWPSLFFWWVAVTFANSANPILY_ 321

Db 298 YADLSPNKLRVINITYWYP-FAHWL--AFCNSSVNPIY_ 332

PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 2
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-10-592-577-2

Query Match 11.9%; Score 220.5; DB 6; Length 432;
Best Local Similarity 25.7%; Pred. No. 5e-12; Mismatches 152; Indels 51; Gaps 13;
Matches 88; Conservative 51; MisMatches 152; Indels 51; Gaps 13;

Qy 10 GDAPL---RSLEONRTRPFPSDVKGDRHLVLAVENTVLVLFAVSLLGN--VCAV 63
Db 11 GSWPLGONGSDVETSMATSLTFSYYQ-HSSPAAMTAIAVYLFLICMVGNTLVCIV 68
Qy 64 IVARRRRGATACVLNIFCADCILF-ISA1PLVLAVRWTEAFLWLGPVACHLFLYMTSG 122
Db 69 L-KOHMRMTVTNMFTLNFLAVSGLPPTLVDNLITGWPFDNATCKMSGLVQGMV 127
Qy 123 SVTILTLAAVSLERNVCIVHILQORGVRGPGR----RARAVLLALIIGTSAVALAPLCUFF 177
Db 128 SASFTLVIAVERFCIVH-----PRERKLTKAFTIAVWALLALIMCPASVTL 180
Qy 178 RVVPOR---LPGADQEISI-CTLIWPTPGEISWDVSFTVNLFLVRLGIVIVISYKL 231
Db 181 TVTRBEEHHFMDARNRSYPLYSCHAWPEKGMRKVYTAVIPLAHYLVLPLAVIVMVRIA 240
Qy 232 -QITKASRKELTVSLAYSSHQIRVSQDFRLFLUMNSFIMMSLILITLLI-- 287
Db 241 RKLQOAPGRDTEAVARGG-RTRRARRVUMLVMAFFTLSWLPLWLLLIDYG 298
Qy 288 -----LQNPKDLVWPSLFWVVWVAPTANSALNLY 321
Db 299 ELSELQLHISVYAPPLAH-----LAFFHSSANPIY 331

RESULT 7
US-10-592-145-1
; Sequence 1; Application US/10502145
; Publication No. US20050244406A1
; GENERAL INFORMATION:
; APPLICANT: MACKAY, CHARLES REAY
; TITLE OF INVENTION: Anti-C5aR antibodies and uses thereof
; FILE REFERENCE: RICE-032
; CURRENT APPLICATION NUMBER: US/10/502,145
; PRIORITY APPLICATION NUMBER: 60/1172,146
; PRIORITY FILING DATE: 2000-11-28
; PRIORITY APPLICATION NUMBER: 60/1172,146
; PRIORITY FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: USSN 60/350,961
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 2
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-627-633-2

Query Match 11.8%; Score 217.5; DB 6; Length 415;
Best Local Similarity 23.0%; Pred. No. 8.6e-12; Mismatches 91; Indels 91; Gaps 21;
Matches 91; Conservative 72; MisMatches 143; Indels 89; Gaps 21;

Qy 5 CARAGADPLRSQE-----ANRTRPPFDVKGDRHLVLAVENTVLVLFAV-- 53
Db 28 CTEPATPLPSQYMELSSEBHSMNSNQT-----BLHYVLPGEVATISFFGILWL 77
Qy 54 -SLIGN--VCAVLAVERRRRGATACVLNIFCADCILF-ISA1PLVLAVRWTEAFLWLGIV 109
Db 78 FSFIGNSLVC-LVHRSRRTQSTVNYFVSMACDLISVASTPFLLOFTGRTLGS 136
Qy 110 ACHILFYNTLSSSVTILTLAAVSLERNVCIVHILQORGTRGP----GRARAVLLALIIG 164
Db 137 TCKYVRYFQYLPVQVYVLLSCIDFRYTTV-----PLSKVSRBKAOMIASTM 189
Qy 165 YSAVAPALPLCVFRVNPQRQGADQEISICTLIMPITFGBISMDSFT---LNFLV 219
Db 190 FDAGFVTPVLFY-----GNTWD-SHCNYFLPS----SNGTAVVTHFLGVFVIP 235
Qy 220 GLVIVISYKILQI-----TKASRKRLTVSLAYSSHQIRVSQODFRLRTFLIMVAF 274
Db 236 SVLILFLYOKVVKIWRIGTDGRVVRMNI-----VPRTKVKTIMFLNLF 286
Qy 275 IMSPRILITL-ILLONKODLWPSLFFFVWVAFTRFANSALNPLVNM---TLCRNEWK 331
Db 287 LSWLPFFHVAOLWHEDRKSSVFTAI-TWIL--SSSSASKPLTISIYANFRGK 342
Qy 332 KIFC---CFWFPEKGAILDTS--VGRNDLSI 358
Db 343 ETCFMSMKCY--RSNAVTTSSRMACKNVYGI 374

RESULT 9

US-10-992-577-8
; Sequence 8, Application US/10992577
; Publication No. US2005026067A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; TITLE OF INVENTION: And Uses Thereof
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/405,558
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 09/255,368
; PRIOR FILING DATE: 1999-02-22
; PRIOR APPLICATION NUMBER: 09/161,113
; PRIOR FILING DATE: 1998-09-25
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 8
; LENGTH: 430
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-992-577-8
; Query Match Similarity 11.5%; Score 212.5; DB 6; Length 430;
; Best Local Similarity 26.7%; Pred. No. 2.3e-11; Mismatches 12; Indels 83; Conservative 46; Gaps 139; Matches 43; Gaps 12;
; Matches 83; Conservative 46; Mismatches 139; Indels 43; Gaps 12;
; Qy 35 HRLVLAATETWLVLIFAVSILGN--VCAVLVVARRRRGATACVLNLFCADLIF-ISA 91
; Db 38 HTSPVAMPTIVAYALIFLCMVGNTLVCFITL-KRHMHMWVNMFILNLFILNLVAVLGVIFC 96
; Qy 92 IPLVLAIRWTAWLILGPVACHILFLPYNTLGSVTITLAASLERNVCTHQLQEVRGES 151
; Db 97 MPTTLVDNLITGWPFDNATCKNSGLVQGMSVSASVFTLVIAVERPRCIVH-----PF 149
; Qy 152 R----RARAVIALLTGYSAVAALPLCVFPRVFOR----LGQDQBISICLWIPR 200
; Db 150 REKLTLRKAVTIAVIVALLIMCSAVTUTVREBHEHMWDARNRSYLYSCMEAWPE 209
; Qy 201 IPEGTSWDSVFTLNFLPVGIVIVTSYSKIQLOITKASKRKLTV--SLAYSESHOIRVSQ 257
; Db 210 KGMRVYTIVFSHITYLAPALIIVWARI-----ARKCQAPGPAGGEAADPRAZR 263
; Qy 258 QDFRLFRTRFLUMVSPIIMSPPIITILLIONFKDQDLMPSL-FFWWVAFTE--- 312
; Db 264 RRARVVHMLVVALFETLWLPLWLWALLILI--DYGO--LSAQPLHLVTVAFPAHMLA 318
; Qy 313 --NSALNPILY 321
; Db 319 FFNSSANPILY 329
; US-11-068-686-20
; Query Match Similarity 11.3%; Score 209; DB 7; Length 352;
; Best Local Similarity 23.1%; Pred. No. 3.7e-11; Mismatches 126; Indels 88; Gaps 16; Matches 82; Conservative 59; Mismatches 126; Indels 88; Gaps 16;
; Qy 49 LIFAVSILGN-CALVIVARRRGATACVLNLFCADLIFSAIPVLAWRTE---A 103
; Db 39 LVFIRGFVGNILVVLILNCRKLSMTDYLNLAIASDPLFLRVF-----WARYAAQ 93
; Qy 104 WLGPVACHIL--IYVMTLGSVTLTIAASLERNVCTHQLQEVRGES 160
; Db 94 WDRGMVMCQLTGUYFGEFGSGIFILL--TDRLYIIVHAFAL---KARTVTFG 145
; Qy 161 LI----WGYSAVAALPLCVFPRVQPLGADOBISICLWIPTPGBISW---DVSF 211
; Db 146 WTVTSVITWWAVFASLPGIFTSRREGH-----YTSSHFPYQYOF-WKQFOTLK 198
; Qy 212 VTLNLPVPGIVIVTSYSKIQLOITKASKRKLTVSLAYSESQHQRVSQDRLFRFLMV 271
; Db 199 VILGLVPLPLVMVYCISGILKTLRCRN-----EKRRHARVLIFTMI 242
; Qy 272 SFPINWMSPIITILLIONF-----KQDLVWPSLFWVVWVAFTFANSALNPI 319
; Db 243 VYFLNLPVNVLLINTFQEFGLANNCSSNRQDQAMQETL---GMTHCCINPI 295
; Qy 320 LYH-----WPLCRNEWKKIF---CCFWF---PEKGAILDTDSVKRNDLISI 358
; Db 296 IYAFVGEKERNYLLVFFOKHAKRKCCKCSIFOQEAPEPASVYTRSIGEQEISV 350
; RESULT 10
; US-11-068-686-20
; Sequence 6, Application US/11088686
; Publication No. US20050260565A1
; GENERAL INFORMATION:
; APPLICANT: Gray, Patrick W.
; APPLICANT: Scheweckart, Vicki L.
; APPLICANT: Report, Carol J.
; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 S. Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/068,686
; FILING DATE: 28-Feb-2005
; CLASSIFICATION <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Noland, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/33670
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-474-6300
; TELEX/FAX: 312-474-0448
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 352 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
; US-11-068-686-20
; Query Match Similarity 11.3%; Score 209; DB 7; Length 352;
; Best Local Similarity 23.1%; Pred. No. 3.7e-11; Mismatches 126; Indels 88; Gaps 16; Matches 82; Conservative 59; Mismatches 126; Indels 88; Gaps 16;
; Qy 49 LIFAVSILGN-CALVIVARRRGATACVLNLFCADLIFSAIPVLAWRTE---A 103
; Db 39 LVFIRGFVGNILVVLILNCRKLSMTDYLNLAIASDPLFLRVF-----WARYAAQ 93
; Qy 104 WLGPVACHIL--IYVMTLGSVTLTIAASLERNVCTHQLQEVRGES 160
; Db 94 WDRGMVMCQLTGUYFGEFGSGIFILL--TDRLYIIVHAFAL---KARTVTFG 145
; Qy 161 LI----WGYSAVAALPLCVFPRVQPLGADOBISICLWIPTPGBISW---DVSF 211
; Db 146 WTVTSVITWWAVFASLPGIFTSRREGH-----YTSSHFPYQYOF-WKQFOTLK 198
; Qy 212 VTLNLPVPGIVIVTSYSKIQLOITKASKRKLTVSLAYSESQHQRVSQDRLFRFLMV 271
; Db 199 VILGLVPLPLVMVYCISGILKTLRCRN-----EKRRHARVLIFTMI 242
; Qy 272 SFPINWMSPIITILLIONF-----KQDLVWPSLFWVVWVAFTFANSALNPI 319
; Db 243 VYFLNLPVNVLLINTFQEFGLANNCSSNRQDQAMQETL---GMTHCCINPI 295
; Qy 320 LYH-----WPLCRNEWKKIF---CCFWF---PEKGAILDTDSVKRNDLISI 358
; Db 296 IYAFVGEKERNYLLVFFOKHAKRKCCKCSIFOQEAPEPASVYTRSIGEQEISV 350
; RESULT 11
; US-10-992-577-6
; Sequence 6, Application US/10992577
; Publication No. US20050260687A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe P.G.
; APPLICANT: Jones, Kenneth A.
; APPLICANT: Bonini, James A.
; APPLICANT: Borowsky, Beth E.
; APPLICANT: Craig, Douglas A.
; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
; TITLE OF INVENTION: And Uses Thereof
; FILE REFERENCE: 5155-D/PW
; CURRENT APPLICATION NUMBER: US/10/992,577
; CURRENT FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US/09/538,036

Query Match 11.3%; Score 208.5; DB 6; Length 522;
 Best Local Similarity 23.0%; Pred. No. 6.1e-11; Matches 87; Conservative 87; Mismatches 154; Indels 69; Gaps 18;

PRIOR FILING DATE: 1999-09-24
 PRIOR APPLICATION NUMBER: 0/255,368
 PRIOR FILING DATE: 1999-07-22
 PRIOR APPLICATION NUMBER: 09/166,113
 PRIORITY FILING DATE: 1998-09-25
 NUMBER OF SEQ ID NOS: 71
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 6
 LENGTH: 420
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-992-577-6

Query Match 11.3%; Score 208.5; DB 6; Length 420;
 Best Local Similarity 23.0%; Pred. No. 4.9e-11; Matches 87; Conservative 68; Mismatches 154; Indels 69; Gaps 18;

QY 21 NRTRFPFFSDVKGD-----HRLVLAVENTVVLVLFIAVSLGNVCLVLRARRR RGA 73
 Db 122 NDIGHLYSDDINTIVNVYLHQVQAFAFISYFLIFLCMGNONTVCFIVRNKHMIV 181
 QY 74 TACIYLNFLCADLF--ISAIPVLAVRTEAMWLGPAWCHLLFYUMTSGSVTILTAV 132
 Db 182 TNLFILNLAISDLVGFICMPITLIDNIITAGWPFGNTMKISGLVQGISAASVFTLVAI 241

QY 133 SLERMVCVIHLQORGVRGCR---RARAVULALIWIYGSAVAALPLCUFFRVVPQ---- 182
 Db 242 AVDRFOCVVY-----PFPKPLTIKATAVIWIWIAITMSPAVMLHYQBEKYRYV 294

QY 183 RLPGADQETSI-CTLIMPPIP-GRISWDVSFTNLFLVPLGVIVISISKI-----LQI 233
 Db 295 RLNSQNKTSPVYNCREDWPQEMRKIVTFLVANI-VIAPLSIVIMYGRIGISLFRAV 353

Db 193 RINSONQTKSIVWYCREDWPQEMRKIVTFLVANI-VIAPLSIVIMYGRIGISLFRAV 251

QY 234 TKASRKRLTVSLAYSESHQIRVSOODPFLRFLTMVSPFIMSPITITLII---LI 289
 Db 252 PHTGRKN-----QEOMHV-VSRKKQKIKMLLIVALLFILSWLPLWTLMMSDYADLS 303

QY 290 QNFHQ---DLVIMWSLFMVVAFTFANSALNPY-----NMTCRNEKK 332
 Db 354 PHTGRKN-----QEOMHV-VSRKKQKIKMLLIVALLFILSWLPLWTLMMSDYADLS 405

QY 333 IFCCFWFPEKGAILDTS 350
 Db 406 PNELOIQTINYIYP-FAHNL---AFGNSSVNPIYGFENENFRRGFOEAFOLOQCKRAKP 461

QY 360 ME-AVALKAHKHLINTS 376

RESULT 12
 US-10-510-01B-2
 Sequence 2, Application US/10510018
 Publication No. US20050244896A1
 GENERAL INFORMATION:
 APPLICANT: Goetz, Stefan
 APPLICANT: Bruggemeier, Ulf
 APPLICANT: Weingarten, Bernhard
 TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with FILE REFERENCE: Le A 35 945
 CURRENT APPLICATION NUMBER: US/10/510,018
 CURRENT FILING DATE: 2004-10-01
 PRIORITY FILING DATE: 2003-03-21
 PRIORITY FILING DATE: 2002-04-02
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO 2
 LENGTH: 522
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-510-01B-2

Query Match 11.2%; Score 206.5; DB 6; Length 409;
 Best Local Similarity 24.3%; Pred. No. 7.1e-11; Matches 82; Conservative 63; Mismatches 126; Indels 67; Gaps 18;

QY 50 IFAVSLGN-VCAVLVARRRRGATACLVNLNLPFDOLLF-ISAIPVLAVRTEAMWL 106
 Db 69 LWLPSIGENSLVC-LVIRRSRQSTOTNVFVSMACABLLISTASTPFLVLTGWRML 127

QY 107 GPVACHLLYVMTLUSGSVTILTAVLAASLARMCVIHLQORGVRGCR---GRRARAVLIAL 161
 Db 128 GSAMCKVRYFQVLTGPQIOVYVLSICIDRFYIV-----PLSKFVSRERAKMNA 180

QY 162 IWGSVAAALPLCUFFRVVPORPGADGBISICLIMPPIGEISWDVSFT----ANP 216
 Db 181 SWLDAFAVTPVRFY-----GSNNMD-SHCVYFLPP----SWEGLAYATVTHFLVGF 226

RESULT 13
 US-10-627-633-4
 Sequence 4, Application US/10627633
 Publication No. US20050250720A1
 GENERAL INFORMATION:
 APPLICANT: Charles, Andrew David
 APPLICANT: Brennan, John Charles
 APPLICANT: Hart, Kevin Anthony
 APPLICANT: Hart, Kevin Anthony
 TITLE OF INVENTION: Novel Compound
 FILE REFERENCE: 1991-221
 CURRENT APPLICATION NUMBER: US/10/627,633
 PRIORITY FILING DATE: 2003-07-28
 PRIORITY FILING DATE: 2000-11-28
 PRIORITY FILING DATE: 2000-11-28
 PRIORITY FILING DATE: 1999-12-17
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 4
 LENGTH: 409
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-627-633-4

RESULT 14
US-11-068 686-2
Sequence 2, Application US/11068686
Publication No. US20050260565A1
GENERAL INFORMATION:
APPLICANT: Gray, Patrick W.
Report, Carol J.
TITLE OF INVENTION: Chemokine Receptor Materials and Methods
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Madhali, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION NUMBER: US/11/068,686
FILING DATE: 28-Feb-2005
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Noland, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 27866/33670
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
TELEFAX: 312-474-0448
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 352 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: /> "88C amino acid sequence"
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-11-068-686-2

Query Match 10.9%; Score 200.5; DB 6; Length 352;
Best Local Similarity 23.9%; Ped. No. 1.9e-10;
Matches 83; Conservative 56; Mismatches 123; Indels 85; Gaps 18;

Db 50 IFAVSLGN--VCAVLVARRRRGATACLVNLFCADLLFISAIPLVAVRWTEAMLL 106
Db 34 LMFSITGNSLVC-LVHRSRQTOSTINYLVSMACDLIASVASTPVLQPTGRTL 92
Db 107 GPVACHLILFYVMVLSGSVTIILTAASLRLERMVCIVHLQRGVRGP----GRARAVIAL 161
Db 93 GAMCKVYRYFQLTPGQIYVLLSICIDRFTIVY-----PLSKVSRKAKRMIA 145
Db 162 INCGSAYAVALPLCVFPRVNPQLPGADEISCTLIWPTIPREISMDVSFVT----LNF 216
Db 146 SWTIDAAFVTPTPFY-----GSND-SHCNYFLPP----SWGTAYAVVIFLGV 191
Db 217 LPGLNIVVISYKILQI----TKASRKLTVSLAVSESHQTRVSQDFRLRTLFIMV 271
Db 192 VPSVLLILFYKVYIWRIGHTDGRTRRMTN-----VPRTKVTKMFPLFN 242
Db 272 SFIMMSPPIITILLIONFKQDLVW-----PSLFFWVAW-TEASALNLY 321
Db 243 VLFWSWLPFHVAOL-----WHPHQBYRKSSLVLTAVTWVSFSASKPLY 289
Db 49 LIFAVSLGNVCA-LVUVARRRRGATACLVNLFCADLLFISAIPLVAVRWTE---A 103
Db 39 LVPIFGFVGVMVLVILTLINCRKUWMDIYLNLASDLFLLTVP-----WAHYAAQ 93
Db 104 WLIGPVACHLILFYVMVLSGSVTIILTAASLRLERMVCIVHLQRGVRGPGRARAVILLA 160
Db 94 WDRGNTMCQULLGFLYFGFFSCIFFPILL-----TIDRVLAHVHAVAL----KARTVTFG 145
Db 161 LI-----WGYSAVAALPLCVFPRVNPQLPGADEISCTLIWPTIPREISMDVSFVT----DVSP 211
Db 146 WVTSVTWWAVFASLGIGFRSQEGLH-----YTCSSHPYQQF-WKNRQPTIKI 198

RESULT 15
US-10-627-633-6
Sequence 6, Application US/10627633
Publication No. US2005050720A1
GENERAL INFORMATION:
APPLICANT: Charles, Andrew David
Brennan, John Charles
APPLICANT: Hart, Kevin Anthony
TITLE OF INVENTION: Novel Compound
FILE REFERENCE: 1991-221
CURRENT APPLICATION NUMBER: US/10/627,633
CURRENT FILING DATE: 2003-07-28
PRIOR APPLICATION NUMBER: 09/722,342
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 60/172,146
PRIOR FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn version 3.2
SEQ ID NO: 6
LENGTH: 352
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-627-633-6

Query Match 10.9%; Score 200.5; DB 6; Length 352;
Best Local Similarity 23.9%; Ped. No. 1.9e-10;
Matches 83; Conservative 56; Mismatches 123; Indels 85; Gaps 18;

Db 50 IFAVSLGN--VCAVLVARRRRGATACLVNLFCADLLFISAIPLVAVRWTEAMLL 106
Db 34 LMFSITGNSLVC-LVHRSRQTOSTINYLVSMACDLIASVASTPVLQPTGRTL 92
Db 107 GPVACHLILFYVMVLSGSVTIILTAASLRLERMVCIVHLQRGVRGP----GRARAVIAL 161
Db 93 GAMCKVYRYFQLTPGQIYVLLSICIDRFTIVY-----PLSKVSRKAKRMIA 145
Db 162 INCGSAYAVALPLCVFPRVNPQLPGADEISCTLIWPTIPREISMDVSFVT----LNF 216
Db 146 SWTIDAAFVTPTPFY-----GSND-SHCNYFLPP----SWGTAYAVVIFLGV 191
Db 217 LPGLNIVVISYKILQI----TKASRKLTVSLAVSESHQTRVSQDFRLRTLFIMV 271
Db 192 VPSVLLILFYKVYIWRIGHTDGRTRRMTN-----VPRTKVTKMFPLFN 242
Db 272 SFIMMSPPIITILLIONFKQDLVW-----PSLFFWVAW-TEASALNLY 321
Db 243 VLFWSWLPFHVAOL-----WHPHQBYRKSSLVLTAVTWVSFSASKPLY 289
Db 49 LIFAVSLGNVCA-LVUVARRRRGATACLVNLFCADLLFISAIPLVAVRWTE---A 103
Db 39 LVPIFGFVGVMVLVILTLINCRKUWMDIYLNLASDLFLLTVP-----WAHYAAQ 93
Db 104 WLIGPVACHLILFYVMVLSGSVTIILTAASLRLERMVCIVHLQRGVRGPGRARAVILLA 160
Db 94 WDRGNTMCQULLGFLYFGFFSCIFFPILL-----TIDRVLAHVHAVAL----KARTVTFG 145
Db 161 LI-----WGYSAVAALPLCVFPRVNPQLPGADEISCTLIWPTIPREISMDVSFVT----DVSP 211
Db 146 WVTSVTWWAVFASLGIGFRSQEGLH-----YTCSSHPYQQF-WKNRQPTIKI 198

Search completed: December 5, 2005, 09:44:43
Job time : 12 sec(s)

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OM protein - protein search, using bw model

Run on: December 5, 2005, 09:26:32 ; Search time 26 Seconds
(without alignment)
1147.920 Million cell updates/sec

Title:	US-10-077-698-1
Perfect score:	1
Sequence:	MSPECARAGDAPLRSLEQA.....KAILDTSVKNDLSIISG J61
Scoring table:	BLOSUM62
Gapcp:	10.0 , Gapext 0.5
Searched:	572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Issued Patents AA:*

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- 2: /cgnt_6/pctodata/1/1aa/6-COMB.pep:*
- 3: /cgnt_6/pctodata/1/1aa/H_COMB.pep:*
- 4: /cgnt_6/pctodata/1/1aa/PCTUS_COMB.pep:*
- 5: /cgnt_6/pctodata/1/1aa/RE_COMB.pep:*
- 6: /cgnt_6/pctodata/1/1aa/backfilesl1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description
1	1846	100.0	361	2	US-09-261-599B-1	Sequence 1, Appli
2	1845	100.0	361	2	US-09-261-599B-1	Sequence 1, Appli
3	1591	86.2	361	2	US-09-261-599B-4	Sequence 4, Appli
4	1591	86.2	361	2	US-09-456-455A-4	Sequence 4, Appli
5	1541	83.5	300	2	US-09-456-455A-6	Sequence 6, Appli
6	1353	73.3	300	2	US-09-261-599B-7	Sequence 7, Appli
7	294	15.9	395	2	US-08-900-230-5	Sequence 5, Appli
8	290	15.7	444	2	US-08-426-290-2	Sequence 2, Appli
9	289	15.7	345	2	US-08-981-700A-5	Sequence 5, Appli
10	289	15.7	346	2	US-09-199-737-5	Sequence 5, Appli
11	289	15.7	345	2	US-08-993-088A-3	Sequence 3, Appli
12	289	15.7	346	2	US-08-993-24B-3	Sequence 3, Appli
13	289	15.7	346	2	US-09-058-333A-5	Sequence 5, Appli
14	289	15.7	346	2	US-09-545-649-6	Sequence 6, Appli
15	289	15.7	346	2	US-09-603-680-3	Sequence 3, Appli
16	289	15.7	346	2	US-08-99-112B-20	Sequence 10, Appli
17	289	15.7	346	2	US-09-011-553-7	Sequence 7, Appli
18	289	15.7	444	2	US-09-826-509-551	Sequence 551, Appli
19	287	15.5	348	2	US-08-513-974B-6	Sequence 46, Appli
20	287	15.5	348	2	US-08-513-974B-342	Sequence 342, Appli
21	287	15.5	348	2	US-08-993-088A-10	Sequence 10, Appli
22	287	15.5	348	2	US-08-993-124B-10	Sequence 10, Appli
23	287	15.5	348	2	US-08-450-650B-2	Sequence 2, Appli
24	287	15.5	348	2	US-09-545-549-5	Sequence 5, Appli
25	287	15.5	348	2	US-09-461-436B-46	Sequence 46, Appli
26	287	15.5	348	2	US-08-680-10	Sequence 10, Appli
27	286	15.5	349	2	US-08-513-94B-343	Sequence 343, Appli

ALIGNMENTS

RESULT 1
US-09-261-599B-1

Sequence 1, Application US/09261599B
; Patent No. 6395877

GENERAL INFORMATION:

; APPLICANT: GLUCKEMANN, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800-177086
; CURRENT APPLICATION NUMBER: US/09-261-599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107, 761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223, 538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-261-599B-1

Query Match Best Local Similarity 100.0%; Score 1846; DB 2; Length 361;
Matches 361; Conservativeness 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAGDAPLRSLEQA.....KAILDTSVKNDLSIISG J61

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Db 1 MSPECARAGDAPLRSLEQA.....KAILDTSVKNDLSIISG J61

|||||||P|S|C|A|R|A|G|D|A|P|L|R|S|L|E|Q|A|N|T|R|F|P|F|S|D|V|K|G|D|H|R|L|V|A|V|T|V|L|I|F|A|V|S|L|G|N|C 60

QY 61 ALVLVARRRRQATACUVLNLCAUDLFISALPLVLAVRWTCAWLGVACHLFYML 120

|||||||A|L|V|L|V|A|R|R|R|R|Q|A|T|A|C|U|V|L|N|L|C|A|U|D|L|F|I|S|A|L|P|L|V|L|A|V|R|W|T|C|A|W|L|G|V|A|C|H|L|F|Y|M|L 120

Db 61 ALVLVARRRRQATACUVLNLCAUDLFISALPLVLAVRWTCAWLGVACHLFYML 120

QY 121 SGSVTLTAAWSLERMCIVLQLQRGRGRRARAVLAALWIGSAVALLPGCVFRW 180

|||||||S|G|S|V|T|L|T|A|A|W|S|L|E|R|M|C|I|V|L|Q|L|R|G|R|G|R|A|R|A|V|L|A|L|W|I|G|S|A|V|A|L|P|C|V|F|R|W 180

Db 121 SGSVTLTAAWSLERMCIVLQLQRGRGRRARAVLAALWIGSAVALLPGCVFRW 180

QY 181 PRLPGADQEISCTLIWPTIGEISMDVSFTLNFVPGLVIVISTSKILQTKR 240

|||||||P|R|L|P|G|A|D|Q|E|I|S|C|T|L|I|W|P|T|I|G|E|I|S|M|D|V|S|F|T|L|N|F|V|P|G|L|V|I|V|I|S|T|S|K|I|Q|T|K|R 240

Db 181 PRLPGADQEISCTLIWPTIGEISMDVSFTLNFVPGLVIVISTSKILQTKR 240

QY 241 LTVSLAYSESHQIRVSQDFRFLTFLMVFIMSPITLILLIONQFDLVIP 300

|||||||L|T|V|S|L|A|Y|S|E|S|H|Q|I|R|V|S|Q|D|F|R|F|L|T|F|L|M|V|F|I|M|S|P|I|T|L|I|L|L|O|N|Q|F|D|L|V|I|P 300

Db 241 LTVSLAYSESHQIRVSQDFRFLTFLMVFIMSPITLILLIONQFDLVIP 300

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|||||||S|I|F|F|W|W|W|A|F|T|F|A|N|S|A|L|N|P|I|L|Y|N|N|M|L|C|R|N|E|W|K|I|C|F|C|C|W|F|P|E|K|G|A|I|T|D|S|V|K|N|D|L|S|I|S 360

Db 301 SIFFWWWAFTFANSALNPILYNNMLCRNEWKICFCCWFPEKGAIITDSVKNDLSIIS 360

QY 361 G 361
Db 361 G 361

RESULT 2
US-09-456-455A-1
; Sequence 1, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MNI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107, 761
; PRIOR FILING DATE: 1998-06-30
; PRIORITY NUMBER: 09/223, 538
; PRIORITY FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-456-455A-1

Query Match 100.0%; Score 1846; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 2_8e-158; Mismatches 0; Indels 0; Gaps 0;
Matches 361; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

QY 1 MSPECARAAGDAPLSLEQANRTRPFPSFSDVKGDHRLVIAAVETTVLVLIFAVSLIGNV 60
Db 1 MSPECAQRTGPSPHTLDQVNRTFFPSDVKGDHRLVVISVERTVLGLIFVSLIGNV 60

QY 61 ALVUARRRRGATACVLNLFCAADLFSAIPULVLAIRTEAMLLGPVACHILFYWML 120
Db 61 ALVUARRRRGASASLVLNLFCAADLFSAIPULVLAIRTEAMLLGPVACHILFYWML 120

QY 121 SGSTVLTAAVSLERMVCVHLORGVRGRRARAVULLIINGYSAVALPLCVFFRV 180
Db 121 SGSTVLTAAVSLERMVCVHLORGVRGRRARAVULLIINGYSAVALPLCVFFRV 180

QY 181 PORLGADODISICTLWPTIPGETSWDVSVFTUNFLVPGIVTYSKLOQTAKSRKR 240
Db 181 PORLGADODISICTLWPTIPGETSWDVSVFTUNFLVPGIVTYSKLOQTAKSRKR 240

QY 241 LTUSLAYSESHQIRVSQDFRLTFLLMSPIMPIITILLIQNKODLVWP 300
Db 241 LTUSLAYSESHQIRVSQDFRLTFLLMSPIMPIITILLIQNKODLVWP 300

QY 301 SLFFWWVAFTFANSALNPILYNNLICRNEWKKIFCCFPEKGAILDTSVKRNLIS 360
Db 301 SLFFWWVAFTFANSALNPILYNNLICRNEWKKIFCCFPEKGAILDTSVKRNLIS 360

RESULT 3
US-09-456-455A-4
; Sequence 4, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MNI-204CP3
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/107, 761
; PRIOR FILING DATE: 1998-06-30
; PRIORITY NUMBER: 09/223, 538
; PRIORITY FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
; US-09-456-455A-4

Query Match 86.2%; Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 2.5e-135; Mismatches 32; Indels 0; Gaps 0;
Matches 361; Conservative 19; MisMatches 19; Indels 0; Gaps 0;

QY 1 MSPCARAAGDAPLSLEQANRTRPFPSFSDVKGDHRLVIAAVETTVLVLIFAVSLIGNV 60
Db 1 MSPECAQRTGPSPHTLDQVNRTFFPSDVKGDHRLVVISVERTVLGLIFVSLIGNV 60

QY 61 ALVUARRRRGATACVLNLFCAADLFSAIPULVLAIRTEAMLLGPVACHILFYWML 120
Db 61 ALVUARRRRGASASLVLNLFCAADLFSAIPULVLAIRTEAMLLGPVACHILFYWML 120

QY 121 SGSVTILTLAASLERNVCTVHLQRGVRGRRARAVLLIWIWSAVAALPLCVFRVV 180
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 121 SGSVTILTLAASLERNVCTVHLQRGSLSGPRTQALLAFWIGTSALAALPLYILFRV 180
; QY 181 ORLPGDQEISICTLIWPTIPGETSWDVSTVNLVPGUVIVYSKLIQITKASKR 240
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 181 ORLPGDQEISICTLIWPTIPGEISWDVFETLNFLVPLGLVIVYSKLIQITKASKR 240
; QY 241 TVSLAYSESHOIRVSQODFLRLFRTFLLMWSFFIMWSPIMSPITILLIONPKDVIWPS 300
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 241 LTVSLAYSESHOIRVSQODFLRLFRTFLLMWSFFIMWSPIMSPITILLIONPKDVIWPS 300
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Murine ortholog
; FEATURE:
; OTHER INFORMATION: mature polypeptide of 14273m
; US-09-261-599B-7

RESULT 5
US-09-261-599B-6
; Sequence 6, Application US/09261599B
; Parent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877a G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/09/261,599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107, 761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223, 538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: mature polypeptide of 14273

Query Match 83.5%; Score 1541; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 6.5e-131; Indels 0; Gaps 0;
Matches 300; Conservative 0; Mismatches 0; Gaps 0;

QY 62 LVLVARRRRGATACIVLNIFCADLIFISAIPLVIAVRAVTEAWLIGPVACHLLFWMTLS 121
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 62 LVLVARRRRGATACIVLNIFCADLIFISAIPLVIAVRAVTEAWLIGPVACHLLFWMTLS 121
; 1 LVLVARRRRGATACIVLNIFCADLIFISAIPLVIAVRAVTEAWLIGPVACHLLFWMTLS 60
; QY 122 GSVTILTLAASLERNVCTVHLQRGVRGRRARAVLLIWIWSAVAALPLCVFRVV 181
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 122 GSVTILTLAASLERNVCTVHLQRGSLSGPRTQALLAFWIGTSALAALPLYILFRV 180
; 61 GSVTILTLAASLERNVCTVHLQRGSLSGPRTQALLAFWIGTSALAALPLYILFRV 120
; QY 182 ORLPGDQEISICTLIWPTIPGETSWDVSTVNLVPGUVIVYSKLIQITKASKR 241
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 182 ORLPGDQEISICTLIWPTIPGEISWDVFETLNFLVPLGLVIVYSKLIQITKASKR 241
; 121 ORLPGDQEISICTLIWPTIPGEISWDVFETLNFLVPLGLVIVYSKLIQITKASKR 180
; QY 242 TVSLAYSESHOIRVSQODFLRLFRTFLLMWSFFIMWSPIMSPITILLIONPKDVIWPS 301
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 242 TVSLAYSESHOIRVSQODFLRLFRTFLLMWSFFIMWSPIMSPITILLIONPKDVIWPS 301
; 181 TVSLAYSESHOIRVSQODFLRLFRTFLLMWSFFIMWSPIMSPITILLIONPKDVIWPS 240
; QY 302 LFFWWVAFTFANSALNPLILYNMLCNEWMKKIFCCFPWPERGAILTDSVRNDLIS 360
; ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : ||||| : |||||
; Db 302 LFFWWVAFTFANSALNPLILYNMLCNEWMKKIFCCFPWPERGAILTDSVRNDLIS 360
; 241 LFFWWVAFTFANSALNPLILYNMLCNEWMKKIFCCFPWPERGAILTDSVRNDLIS 299

RESULT 7
US-08-900-230-5
; Sequence 5, Application US/08900230
; Parent No. 6329197
; GENERAL INFORMATION:
; APPLICANT: Baird, Jonathan A.
; TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS AND
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of The Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 11036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/900,230
; FILING DATE: 23-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
; TELECOMMUNICATION INFORMATION:

RESULT 5
US-09-261-599B-7
; Sequence 7, Application US/09261599B
; Parent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.

TELEPHONE: 212-278-0400
 TELEFAX: 212-391-0525
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 395 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-900-220-5

Query Match 15.9%; Score 294; DB 2; Length 395;
 Best Local Similarity 28.8%; Pred. No. 1.5e-18; Mismatches 122; Indels 52; Gaps 10;
 Matches 92; Conservative 54; Mismatches 122; Indels 52; Gaps 10;

QY 42 VETTVLVLIFAVSILGNVCAVLVAR----RRRGATACLVNLFCADLF-ISAIPV
 34 ITLVVFLGLPAMGVGLGNSLVITVLARKSKPGKPRSTINLFIANSIADLAYLFCIPF
 95 VLAVRWTEAALVLGVACHLIFYVMTLSGVTILTAASLERMVCIVHORGVGPGRARAVAILNGYS 154
 34 QATVYALPPTVNLGPICKERHYFPVMSVIFTLAAMSVDRYVAIVRS--SSLRVS 93

Db 94 QATVYALPPTVNLGPICKERHYFPVMSVIFTLAAMSVDRYVAIVRS--SSLRVS 151

QY 155 RAVILAL--IWGISAVALPLCVFRVVFQRLPGADQEIISICTLIWPTIPGEISWDNSPV 212
 152 RNAILGVGTIWALSIAMASPPVAY---QRLEFRDSNOTFCMHWPNOLHKRAYWCTP 207

QY 213 TLNFLVPGLVIVLISYKIL-----QITKASRKRLTVLAYSSESHQIRVSQDFR 261
 208 VFGXILPLLICFCYAKVNLHKKLKNMSKKSEASKRAGTKA----- 252

Db 262 LFRFLVPLUMSFETNWSPIITLILIONFKDOLVINSLEFWV---AFTFANSALNP 318
 253 --QTVLWVNVVFGISWLPHVHWAEGFAFP---LTTRASFFRITAHCLAVSNSSNP 306

QY 319 ILYNMIL-CRNEKKIFCC 336
 307 IIYAFLSENFRKAYQVKC 326

RESULT 8
 US-09-26-290-2
 Sequence 2, Application US/09426290
 Patent No. 6410712
 GENERAL INFORMATION:
 APPLICANT: Berglind Ran Olafsdottir
 APPLICANT: Jeffrey Gulcher
 TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
 FILE REFERENCE: 2345-2001-000
 CURRENT APPLICATION NUMBER: US/09/426,290
 CURRENT FILING DATE: 1999-10-25
 NUMBER OF SEQ ID NOS: 24
 SOFTWARE: FastSBQ for Windows Version 4.0
 SEQ ID NO: 2
 LENGTH: 444
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-426-290-2

Query Match 15.7%; Score 290; DB 2; Length 444;
 Best Local Similarity 26.2%; Pred. No. 4e-18; Mismatches 146; Indels 72; Gaps 16;
 Matches 102; Conservative 70; Mismatches 146; Indels 72; Gaps 16;

QY 2 SPECARAAGAAPRLSLEQANRTRFFPSDVKGDHRLVLAVERTVL-----V 48
 9 SPPCRNWS----SASENETQEFLNPPTYDBEFLRVLPKEYEWLJAGYI 62

QY 49 LIFAVSLGLGNVCAVLVARRR-RGATACLVNLFCADLF-ISAIPVLAVERTVL 106
 63 IVFVALIGLNLVCAVWKHHMRVTNTVITVNUSLADVITCPLPATIVDITETWPF 122

QY 107 GPVACHLIFYVMTLSGVTILTAASLERMVCIVHORGVGPGRARAVAILNGYS 166
 123 GOSLICKVPIYOTVSVSUTLSCIAUDRWAICH-PLMFKSTAKARNST-IIMIVS 180
 Db 167 AVAALPLCVFFRVVPORLPGADQEIISICTLIWPTIPGEISWDNSPVTLVPLSIVI 223
 Db 181 CLIMPQAIUME-CSTVFPGLANKTTLTVCDBERWGGBIYPKMYHICPFLVTMAPLCM 239
 Db 224 VISYSKIL-----QITKAS---RK-----RLTSLAYEBSHQRLRS 256
 Db 240 VLAYLQIFRKLWCRQIPCTSSVWORKWKPLQPSQRPGPQPKRSRMSAVAELKQIRAR 299

QY 257 QDFFRLERTFLAMVSEPMWSIITLILLIONF-----KODLVIWRSLEFWVTA 308
 Db 300 RKTFARM---LMVVVLVFACYLP--ISITNLVLRVFGMFAHTEDRETYAWFTFSHNLV- 353

QY 309 FTANSALNPILYMT-LCRNEWKKFCC 316
 Db 354 --VANSAAANPITYNPLSGKFREEFPKAAPSC 381

RESULT 9
 US-08-981-700A-5
 Sequence 5, Application US/08981700A
 ; General Information:
 ; Patient No. 6562945
 ; General Information:
 ; APPLICANT: Walker, Philippe
 ; APPLICANT: Wahlestedt, Claus
 ; APPLICANT: Ahmad, Sultan
 ; APPLICANT: Shen, Shi Hsiang
 ; TITLE OF INVENTION: A NO. 6562945el Galanin Receptor
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Vision & Elkins L.L.P.
 ; STREET: 1455 Pennsylvania Avenue, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTY: U.S.
 ; ZIP: 20004-1008
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/981,700A
 FILING DATE:
 CLASSIFICATION: 536
 ATTORNEY/AGENT INFORMATION:
 NAME: Sanzo, Michael A.
 REGISTRATION NUMBER: 36,912
 REFERENCE/DOCKET NUMBER: ABA300/67008
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 639-6585
 TELEFAX: (202) 639-6064
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 345 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPLOGY: not relevant
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-981-700A-5

Query Match 15.7%; Score 289; DB 2; Length 345;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Mismatches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

QY 42 VETTVLVLIFAVSILGNVCAVLVAR--RRRGATACLVNLFCADLF-ISAIPVLAVERTVL 97
 34 ITLVVFLGLPAMGVGLGNSLVITVLARKSKPGKPRSTINLFIANSIADLAYLFCIPFOAT 93

RESULT 10
US-09-199-737-5
Sequence 5, Application US/09199737A
; Patent No. 6287788
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan A.
; APPLICANT: Borowsky, Beth
; APPLICANT: Smith, Kelly E.
; APPLICANT: Branchek, Theresa A.
; APPLICANT: Gerald, Christophe P.G.
; TITLE OF INVENTION: DNA Encoding Galanin GALR3 Receptors And Uses Thereof
; FILE REFERENCE: 52241-D-PCT-US
; CURRENT APPLICATION NUMBER: US/09/199,737A
; CURRENT FILING DATE: 1998-11-25
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn Ver. 2.0 - beta
; SEQ ID NO 5
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Rat
; US-09-199-737-5

Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query 98 VRWTEAWLGVAVCHLLFYMLSGSVTILTLAAVSLERMCIVHLQGVRGPRRARAV 157
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 158 LLAL--IMGSAVALPLCFFVVFQRLGADQBSICLTIWPTIPGETISWDVSPVTIN 215
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 152 LLGVPTIWASMSPVAVY---ORLFHRSNOTCFWEHNPQLHKAYVCTFVG 205
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 216 FLVPGLVIVVISYSKILQITKASRKRLTVSLAYSESHOIRVSQODPFLRFTLFLMSFPI 275
Db 207 YLLPLLICPCYAKVNLHKKLKRMSKK--SEASKKKPAQ----TVLWVVVFGI 256
Qy 276 MWSPIITLILIONPKDOLVIMPLFWVV--AFTFANSALNPILYNTL--CRNEW 330
Db 257 SWLPHVHILWAEGFAFP---LTPASPFPRITAHCCLAYSNSNVNPIYAFLENFRKAY 312
Qy 331 KKIICC 336
Db 313 KQVFKC 318

RESULT 11
US-08-993-088A-3
Sequence 3, Application US/08993088A
; Patent No. 6287855
; GENERAL INFORMATION:
; APPLICANT: Tan, Carina
; APPLICANT: Sullivan, Kathleen
; TITLE OF INVENTION: GALANIN RECEPTOR GALR2 AND TIDE OF INVENTION: NUCLEOTIDES ENCODING SAME
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0900
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/993, 088A
FILING DATE: 18-DEC-1997
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/033, 851
FILING DATE: 27-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Heber, Sheldon O.
REGISTRATION NUMBER: 38,179
REFERENCE/DOCKET NUMBER: 19846
TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1958
TELEFAX: 732-594-4720
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 amino acid
TYPE: amino acid
STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-993-088A-3
Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query 98 VRWTEAWLGVAVCHLLFYMLSGSVTILTLAAVSLERMCIVHLQGVRGPRRARAV 157
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 158 LLAL--IMGSAVALPLCFFVVFQRLGADQBSICLTIWPTIPGETISWDVSPVTIN 215
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 152 LLGVPTIWASMSPVAVY---ORLFHRSNOTCFWEHNPQLHKAYVCTFVG 205
Db 94 VVALPTWVLGAFICKFHYFTVSMVSIFTLAAMSVDRLVVAIHSRS--SSLRVNA 151
Qy 216 FLVPGLVIVVISYSKILQITKASRKRLTVSLAYSESHOIRVSQODPFLRFTLFLMSFPI 275
Db 207 YLLPLLICPCYAKVNLHKKLKRMSKK--SEASKKKPAQ----TVLWVVVFGI 256
Qy 276 MWSPIITLILIONPKDOLVIMPLFWVV--AFTFANSALNPILYNTL--CRNEW 330
Db 257 SWLPHVHILWAEGFAFP---LTPASPFPRITAHCCLAYSNSNVNPIYAFLENFRKAY 312
Qy 331 KKIICC 336
Db 313 KQVFKC 318

Db 313 KQVFKC 318

RESULT 12

US-08-933-424B-3

; Sequence 3, Application US/089933424B

GENERAL INFORMATION:

; APPLICANT: Tan, Carina

; TITLE OF INVENTION: MOUSE GALANIN RECEPTOR GALR2 AND

; NUMBER OF SEQUENCES: 18

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Merck & Co., Inc.

; STREET: P. O. Box 2000, 126 E. Lincoln Ave.

; CITY: Rahway

; STATE: NJ

; COUNTRY: USA

; ZIP: 07065-0900

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows

; SOFTWARE: PASTER for Windows Version 2.0b

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/993,424B

; FILING DATE: 18-DEC-1997

; CLASSIFICATION: 536

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 60/033,851

; FILING DATE: 27-DEC-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Heber, Sheldon O.

; REGISTRATION NUMBER: 38,179

; REFERENCE/DOCKET NUMBER: 19846NP2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 732-594-4720

; TELEFAX: 732-594-4720

; TELEX:

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 346 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-933-424B-3

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Query Match 15.7%; Score 289; DB 2; Length 346;
 Best Local Similarity 29.4%; Pred. No. 3.7e-18; Gaps 10;
 Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

QY 331 KKPFCC 336
|::|
Db 331 KQVFKC 318

RESULT 13

US-09-058-333A-5

; Sequence 5, Application US/09058333A

; GENERAL INFORMATION:

; Patent No. 6368112

; GENERAL INFORMATION:

; APPLICANT: Bard, Jonathan A

; APPLICANT: Borovsky, Beth

; APPLICANT: Smith, Kelli E

; TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS

; TITLE OF INVENTION: AND USES THEREOF

; NUMBER OF SEQUENCES: 65

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooper & Dunham LLP

; STREET: 1185 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/058,333A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: White, John P

; REGISTRATION NUMBER: 28,678

; REFERENCE/DOCKET NUMBER: 52241-E/JFW/KDB

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-271-00

; TELEFAX: 212-391-025

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 346 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA

; US-09-058-333A-5

QY 331 KKPFCC 336
|::|
Db 331 KQVFKC 318

RESULT 14

US-09-058-333A-5

; Sequence 5, Application US/09058333A

; GENERAL INFORMATION:

; Patent No. 6368112

; GENERAL INFORMATION:

; APPLICANT: Bard, Jonathan A

; APPLICANT: Borovsky, Beth

; APPLICANT: Smith, Kelli E

; TITLE OF INVENTION: DNA ENCODING GALANIN GALR3 RECEPTORS

; TITLE OF INVENTION: AND USES THEREOF

; NUMBER OF SEQUENCES: 65

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooper & Dunham LLP

; STREET: 1185 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/058,333A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: White, John P

; REGISTRATION NUMBER: 28,678

; REFERENCE/DOCKET NUMBER: 52241-E/JFW/KDB

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-271-00

; TELEFAX: 212-391-025

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 346 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA

; US-09-058-333A-5

RESULT 14
US-09-595-549-6
Sequence 6, Application US/09595549
Patent No. 6511827
GENERAL INFORMATION:
APPLICANT: Howard, Andrew D.
APPLICANT: Cascieri, Margaret A.
APPLICANT: Smith, Roy G.
APPLICANT: Sullivan, Kathleen A.
APPLICANT: Tan, Carina
TITLE OF INVENTION: GALANTIN RECEPTOR GALR3 AND NUCLEOTIDES
TITLE OF INVENTION: ENCODING SAME
FILE REFERENCE: 2014APCA
CURRENT APPLICATION NUMBER: US/09/595, 549
CURRENT FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: US98/26812
PRIOR FILING DATE: 1998-12-17
PRIOR APPLICATION NUMBER: 60/069, 725
PRIOR FILING DATE: 1997-12-17
NUMBER OF SEQ ID NOS: 16
SEQ ID NO 6
LENGTH: 346
TYPE: PRT
, ORGANISM: rat
, US-09-595-549-6

Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

QY 42 VETTVLVLIAVSLGNVCAVLVARR--RRRGATACVLNLFCADLF-ISAPIPLVLA 97
Db 34 ITLVVFGLIFAMGVGVLNSVITVLRSKPSKRSTNLFLNLISIADLAYLFCIPFOAT 93
Qy 98 VRWTERAWLGPVACHLFLYNTLSGSVTITLAASLERNVCIVLORGVRGRARRAV 157
Db 94 VYALPFWLGPVACFKFTHYFPTVSMLVISITLAAMSVDRYVAIVHSRS--SSRVSRNA 151
Qy 158 LLAL--IWGSAVAALPLCFFPRVPRVQRLGADQRIISICLTIWPGESWDWSFVTLN 215
Db 152 LGVGFITWALSIAMASPVAVY----ORLPHRDSDNQTCWEHWNQNLHKAYVCTFVG 206
Qy 216 FLVPGIVIVIVSYSKILQITKASRKRLTVLAYSSEHOIRVSQODFRFLFRTLFLMSFPI 275
Db 207 YLPLPLLICPCYAKUHLHKKLKNMSSK--SEASKKTAQ----TVLVVVVVFGI 256
Qy 276 MWSPITITLILIONFKDOLVIMPSLFWVV--AFTPANSALNPILYNTL--CRNEW 330
Db 257 SWLPHVVIHLWAEGFAFP---LTPASFFRITAHCCLAYNSNSVNPVPIYAFLENFRKAY 312
Qy 331 KKIFCC 335
Db 313 KQVFKC 318

RESULT 15
US-09-603-680-3
Sequence 3, Application US/09603680
Patent No. 654473
GENERAL INFORMATION:
APPLICANT: Tan, Carina
APPLICANT: Sullivan, Kathleen
TITLE OF INVENTION: GALANTIN RECEPTOR GALR2 AND
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:

ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000, 126 E. Lincoln Ave.
CITY: Rahway
STATE: NJ
COUNTRY: USA
ZIP: 07055-0900

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/603, 680
FILING DATE: 26-Jun-2000
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/033, 851
FILING DATE: 27-DEC-1996
APPLICATION NUMBER: 08/993, 088
FILING DATE: 18-DEC-1997

ATTORNEY/AGENT INFORMATION:
NAME: Heber, Sheldon O.
REGISTRATION NUMBER: 38,179
REFERENCE/DOCKET NUMBER: 19846 CA

TELECOMMUNICATION INFORMATION:
TELEPHONE: 732-594-1958
TELEX: <Unknown>
TELEFAX: 732-594-4720

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-603-680-3

Query Match 15.7%; Score 289; DB 2; Length 346;
Best Local Similarity 29.4%; Pred. No. 3.7e-18;
Matches 90; Conservative 54; Mismatches 130; Indels 32; Gaps 10;

Qy 42 VETTVLVLIAVSLGNVCAVLVARR--RRRGATACVLNLFCADLF-ISAPIPLVLA 97
Db 34 ITLVVFGLIFAMGVGVLNSVITVLRSKPSKRSTNLFLNLISIADLAYLFCIPFOAT 93
Qy 98 VRWTERAWLGPVACHLFLYNTLSGSVTITLAASLERNVCIVLORGVRGRARRAV 157
Db 94 VYALPFWLGPVACFKFTHYFPTVSMLVISITLAAMSVDRYVAIVHSRS--SSRVSRNA 151
Qy 216 FLVPGIVIVIVSYSKILQITKASRKRLTVLAYSSEHOIRVSQODFRFLFRTLFLMSFPI 275
Db 207 YLPLPLLICPCYAKUHLHKKLKNMSSK--SEASKKTAQ----TVLVVVVVFGI 256
Qy 276 MWSPITITLILIONFKDOLVIMPSLFWVV--AFTPANSALNPILYNTL--CRNEW 330
Db 257 SWLPHVVIHLWAEGFAFP---LTPASFFRITAHCCLAYNSNSVNPVPIYAFLENFRKAY 312
Qy 331 KKIFCC 336
Db 313 KQVFKC 318

Search completed: December 5, 2005, 09:31:48
Job time : 27 secs

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QY 181 GCTGGGTGCTCATTTGCAAGTGTCTCTGCTGGCAACGTTGCGCCTGGTGTGCG 240
 Db 181 GCTGGTGCTCATTTGCAAGTGTCTCTGCTGGCAACGTTGCGCCTGGTGTGCG 240
 QY 241 GCGCGACGAGGCCAGGGCGGAATGCTGCCTCCCTGTTACTAACCTTCTGCGGAGCT 300
 Db 241 GCGCGACGAGGCCAGGGCGGAATGCTGCCTCCCTGTTACTAACCTTCTGCGGAGCT 300
 QY 301 GCTCTCATGCTATCCCTCTGGCTGGCTGGCTGGACTGGAACTGAGCTGGCTGGCT 360
 Db 301 GCTCTCATGCTATCCCTCTGGCTGGCTGGCTGGCTGGACTGGAACTGAGCTGGCT 360
 QY 361 GGGCCCGTTCCTCCACCTGCTCTTCAAGTGTGATGACCCCTGGGGAGGGTCACT 420
 Db 361 GGGCCCGTTCCTCCACCTGCTCTTCAAGTGTGATGACCCCTGGGGAGGGTCACT 420
 QY 421 CCTCACGGCTGGCGGGTCAACCTGCTGGAGCCATGGTGTGATGACCCCTGGGGAGGG 480
 Db 421 CCTCACGGCTGGCGGGTCAACCTGCTGGAGCCATGGTGTGATGACCCCTGGGGAGGG 480
 QY 481 CGTCTGGGCTGGCTGG 540
 Db 481 CGTCTGGGCTGGCTGG 540
 QY 541 GGGCTGCGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGG 600
 Db 541 GGGCTGCGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGG 600
 QY 601 CGCCGACCAAGAAATTGCAACTGCTGGCAACTGATGTTGGCCACCATCTCTGGAGAGATC 660
 Db 601 CGCCGACCAAGAAATTGCAACTGCTGGCAACTGATGTTGGCCACCATCTCTGGAGAGATC 660
 QY 661 GTGCGATGATCTTGTCTTGTACTTCTTGTGCAAGTGTGATTCG 720
 Db 661 GTGGGATGTCCTTGTACTTCTTGTGCAAGTGTGATTCG 720
 QY 721 TTACTCCAATTTCACAGITCAACAGGATCAGGAAGAGGGTCAACGGTAAGCTGC 780
 Db 721 TTACTCCAATTTCACAGITCAACAGGATCAGGAAGAGGGTCAACGGTAAGCTGC 780
 QY 781 CTACTCGGAGAGCCACCAGATCCCGGGTGTGCCAGGAGCTTCCGGCTTCCACCT 840
 Db 781 CTACTCGGAGAGCCACCAGATCCCGGGTGTGCCAGGAGCTTCCGGCTTCCACCT 840
 QY 841 CTTCCTCCATGTTCTCTCATCTGTTGAGGCCCATCATCCACCTCTCTCTCTCTCT 900
 Db 841 CTTCCTCCATGTTCTCTCATCTGTTGAGGCCCATCATCCACCTCTCTCTCTCTCT 900
 QY 901 CATCTGTGATCCAGACTTCAGCAAGAACCTGGTCACTCGCCGCTCTCTCTCTCT 960
 Db 901 CATCTGTGATCCAGACTTCAGCAAGAACCTGGTCACTCGCCGCTCTCTCTCTCT 960
 QY 961 GGTCGCCTCACATTGCTATTCAAGCCCATCTCTCATACAAGTGTGACACTG 1020
 Db 961 GGTCGCCTCACATTGCTATTCAAGCCCATCTCTCATACAAGTGTGACACTG 1020
 QY 1021 CAGGATGATGTTGAGAAMATTTCGCTCTCGTCCAGAACGGGSCATT 1080
 Db 1021 CAGGATGATGTTGAGAAMATTTCGCTCTCGTCCAGAACGGGSCATT 1080
 QY 1081 AACAGACACTCTGTCAAAGAAATGACTGTGCTGATTTCGCTTAATTTCCTTAT 1140
 Db 1081 AACAGACACTCTGTCAAAGAAATGACTGTGCTGATTTCGCTTAATTTCCTTAT 1140
 QY 1141 AGCCGAGTTCTCACACCTGGCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
 Db 1141 AGCCGAGTTCTCACACCTGGCAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
 QY 1201 ACCCTCATGATGCTGGCTTAAAGAAATGACCTGTGCTGCTGCTGCTGCTGCTGCT 1260
 Db 1201 ACCCTCATGATGCTGGCTTAAAGAAATGACCTGTGCTGCTGCTGCTGCTGCTGCT 1260
 QY 1261 GTCGGTAATAAGGGTGTCAACAAAGTTCAATATAATTCCCTTATAAAGGATT 1320

RESULT 5
 US-10-077-698-2
 ; Sequence 681, Application US/10225567A
 ; Publication No. US20030113798A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lifespan Biosciences
 ; APPLICANT: Brown, Joseph P.
 ; APPLICANT: Burner, Glenna C.
 ; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
 ; CURRENT APPLICATION NUMBER: US/10/1225, 567A
 ; CURRENT FILING DATE: 2001-12-19
 ; PRIOR APPLICATION NUMBER: 60/257,144
 ; PRIOR FILING DATE: 2000-12-19
 ; NUMBER OF SEQ ID NOS: 2222
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 681
 ; LENGTH: 1737
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-225-567A-681

Query Match 95.3%; Score 1661.8; DB 5; Length 1737;
 Best Local Similarity 98.6%; Pred. No. 0;
 Matches 1718; Conservative 1; Mismatches 18; Indels 6; Gaps 4;

QY	1	TCCCGATGTTCTGACCGCTGGGGCGCCAGGGGAATGTCCTGATGGC	60
Db	1	TCCCGATGTTCTGACCGCTGGGGCGCCAGGGGAATGTCCTGATGGC	60

61 GCGGGAGGGGAGGCCCTTGGCGAGCAACCCACCGCTTCC 120
 61 GCGGGAGGGGAGGCCCTTGGCGAGCAACCCACCGCTTCC 120

121 CTTCCTCTGGAGGACCCGGGCTTGGCGAGCAACCCACCGCTTCC 180

QY	518	CCTGGCCCTCATCTGGGTTATTGGGGTGGCCCTCTGCTCTTCA 577	Db
Db	181	CTGGCSCTCATCTGGCTTATGGGGTGGCCCTCTGCTCTTCA 240	QY
QY	578	GTCGTCCCGCAACGGCTCCCGGAGCCAGAAATTTCGATTGCAACTGATTCGG 637	Db
Db	241	GTCGTCCCGCAACGGCTCCCGGAGCCAGAAATTTCGATTGCAACTGATTCGG 300	QY
QY	638	CCCACATTCCTGGAGAGATCTGGGAATGTCCTTGTACTTGACTCTGGT 697	Db
Db	301	CCCGAACATTCCTGGAGAGATCTGGGAATGTCCTTGTACTTGACTCTGGT 360	QY
QY	698	CCAGGACTGGTCACTGTTACTCCAAATTACAGATCACAAAGGCATCAAGG 757	Db
Db	361	CCAGGACTGGTCACTGTTACTCCAAATTACAGATCACAAAGGCATCAAGG 420	QY
QY	758	AAGAGGCTCACGGTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 817	Db
Db	421	AAGAGGCTCACGGTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480	QY
QY	818	GACTTGGCTCTCCTGGCTACTGGAGAGCCAGACCCAGATCGGGTGGCTCC 877	Db
Db	481	GACTTGGCTCTCCTGGCTACTGGAGAGCCAGACCCAGATCGGGTGGCTCC 540	QY
QY	878	CCCATCATCACCACTCTCTCATCTCATCTCATCTCATCTCATCTGGAGC 937	Db
Db	541	CCCATCATCACCACTCTCTCATCTCATCTCATCTCATCTGGAGC 600	QY
QY	938	TGGCCGRCCTCTCTCTGGGTTGGCTTACATTGCTTAATCAGCCCTAACCCC 997	Db
Db	601	TGGCCGRCCTCTCTCTGGGTTGGCTTACATTGCTTAATCAGCCCTAACCCC 660	QY
QY	998	ATCCTCTACAACATGACTGTCAGGATGAGTGAGAATTTCGCTCTCTGG 1057	Db
Db	661	ATCCTCTACAACATGACTGTCAGGATGAGTGAGAATTTCGCTCTCTGG 720	QY
QY	1058	TTCCCGAAAGGGGCATTAAAGACACATCTGTCAAAGAAATGACTGTGCAATT 1117	Db
Db	721	TTCCCGAAAGGGGCATTAAAGACACATCTGTCAAAGAAATGACTGTGCAATT 780	QY
QY	1118	ATTCTCGCTAAATTTCCTTATAGCCAGTTCTCACACCTGGGACTGTGCACTGCT 1177	Db
Db	781	ATTCTCGCTAAATTTCCTTATAGCCAGTTCTCACACCTGGGACTGTGCACTGCT 839	QY
QY	1178	TTAACAGAGTCATTCACCCATCAGTGACCTCTGGTTAGAAATGAC 1237	Db
Db	840	TTAACAGAGTCATTCACCCATCAGTGACCTCTGGTTAGAAATGAC 899	QY
QY	1238	CTATGCAATAGACATCACAGGGTGGCTTAATTAGGGGTGATCAGAATTCTCAAT 1297	Db
Db	900	CTATGCAATAGACATCACAGGGTGGCTTAATTAGGGGTGATCAGAATTCTCAAT 959	QY
QY	1298	ATTTCCTTATAAAGGATTGTTGCGCAGSTGCACTGCTGCTGCTGCTGCTGCT 1357	Db
Db	960	ATTTCCTTATAAAGGATTGTTGCGCAGSTGCACTGCTGCTGCTGCTGCTGCT 1019	QY
QY	1358	CAGTTGGACCTGGGTGCTGACTTGGAGGTCTGAGACCCACCTGAC 1417	Db
Db	1020	CAGTTGGACCTGGGTGCTGACTTGGAGGTCTGAGACCCACCTGAC 1076	QY
QY	1418	CAACATCTGGAGACCCCGTCTCTAAATAAAAAAATAGCTGGAGTGTG 1477	Db
Db	1077	CAACATCTGGAGACCCCGTCTCTAAATAAAAAAATAGCTGGAGTGTG 1136	QY
QY	1478	GTGGGACCTGTAATCTTAGCTACTGGAGGTCTGAGACCCACCTGAC 1537	Db
Db	1137	GTGGGACCTGTAATCTTAGCTACTGGAGGTCTGAGACCCACCTGAC 1196	QY
QY	1538	GAGGCAAGGGTCACTGGAGACCCACCTGAGACCCACCTGAC 1597	Db
Db	1197	GAGGCAAGGGTCACTGGAGACCCACCTGAGACCCACCTGAC 1256	QY
QY	1598	TGAACCTCCATCTAAAAAAGATTTGGTATGGTCTTCTTAATGTA 1657	Db
Db	1257	TGAACCTCCATCT-AAAAAAAAGATTTGGTATGGTCTTCTTAATGTA 1315	QY
QY	1658	ACTTTTAGTGTGTGTATATGATCAATTAAATAATTATTTAGACTGTCA 1717	Db
Db	1316	ACTTTTAGTGTGTGTATATGATCAATTAAATAATTATTTAGACTGTCA 1374	QY
QY	1718	GCAAAAAAAAAAAAAAGGGGG 1743	Db
Db	1375	GCAAAAAAAAAAAAAAGGGGG 1400	QY

QY 878 CCCATCATCATCACCATCTCTCATCCTCATCGAACCTCAAGAACCTGTCATC 937 ; TITLE OF INVENTION: G-PROTEIN COUPLED RECEPTORS
 QY 541 CCCATCATCACCATCTCTCATCGAACCTCAAGAACCTGTCATC 600 ; FILE REFERENCE: PI-0001 PCT
 Db 938 TGGCGTCCCTCTCTCTCGGGTGGCTTCACATTGCTAAATCGCCCTAACCC 997 ; CURRENT APPLICATION NUMBER: US/10/149-826
 ; PRIORITY FILING DATE: 2002-06-10
 ; PRIORITY APPLICATION NUMBER: 60/172,852; 60/171,732; 60/176,148; 60/177,331
 Db 601 TGGCGTCCCTCTCTCGGGTGGCTTCACATTGCTAAATCGCCCTAACCC 660 ; NUMBER OF SEQ ID NOS: 78
 ; SEQ ID NO 59
 QY 998 ATCCCTACACATGACACTGTGCGAGGAATGAGTGAGAAGAAATTGTCCTCGG 1057 ; SOFTWARE: PERL Program
 ; LENGTH: 1321
 Db 661 ATCCCTACACATGACACTGTGCGAGGAATGAGTGAGAAGAAATTGTCCTCGG 720 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 QY 1058 TTCCAGAAAGGGGCCATTTAACAGACACATGTGCGAGGAATGAGTGAGAATGCTGTGATT 1117 ; FEATURE:
 ; NAME/KEY: misc feature
 Db 721 TTCCAGAAAGGGGCCATTTAACAGACACATGTGCGAGGAATGAGTGAGAATGCTGTGATT 780 ; OTHER INFORMATION: Incyte ID No: 502478CB1
 QY 1118 ATTCTGGCTTAATTCTCTTATAGCCGAGTTCTCACACCTGCGGAGCTGTCATGATT 1177 ; US-10-149-826-59
 Db 781 ATTCTGGCTTA-TTCTCTTATAGCCGAGTTCTCACACCTGCGGAGCTGTCATGATT 819 ; Query Match 74.1%; Score 1292.2; DB 8; Length 1321;
 QY 1178 TTAAACAGGTTCTTCTCGAGTACCTCTCATCTAGTCACCTCTGAC 1237 ; Best Local Similarity 99.6%; Pred. No. 3.7e-308; Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;
 Db 840 TTAAACAGGTTCTTCTCGAGTACCTCTCATCTAGTCACCTCTGAC 899 ; Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;
 QY 1238 CTATCAAATAGCTCCAGCGCTGGTAAATAGGGTGTACCTGAC 1297 ; Query KEY: misc feature
 Db 900 CTATCAAATAGCTCCAGCGCTGGTAAATAGGGTGTACCTGAC 959 ; NAME/KEY: misc feature
 QY 1298 ATTTCCTTATAAAGGTTGTCGAGGCTGTCATGCGTAAATCCAG 1357 ; OTHER INFORMATION: Incyte ID No: 502478CB1
 Db 960 ATTTCCTTATAAAGGTTGTCGAGGCTGTCATGCGTAAATCCAG 959 ; SEQ ID NO 59
 QY 1358 CAGTTGGGGCTGCTAGGTTGATCACTGAGGTGGCAGGTCAGTGCAC 1417 ; LENGTH: 1321
 Db 1020 CAGTTG--GGCTTAGGTGGATCACTGAGGTGGCAGGTCAGTGCAC 1076 ; FEATURE:
 QY 1418 CAACATGGAGACCCCCGCTCTACTAAATAAAAAAATTAGCTGGAGTGG 1477 ; NAME/KEY: misc feature
 Db 1077 CAACATGGAGACCCCCGCTCTACTAAATAAAAAAATTAGCTGGAGTGG 1136 ; OTHER INFORMATION: Incyte ID No: 502478CB1
 QY 1478 GTGGGCACCTGTAATCTCTAGTACTCTGGGGCTGACCAAGGAGATCTTGACCTGG 1537 ; US-10-149-826-59
 Db 1137 GTGGGCACCTGTAATCTCTAGTACTCTGGGGCTGACCAAGGAGATCTTGACCTGG 1196 ; Query Match 74.1%; Score 1292.2; DB 8; Length 1321;
 QY 1538 GAGGCGAGGTGCGTGAACCGAGATGCTCCACCAACSGCAGAACAG 1597 ; Best Local Similarity 99.6%; Pred. No. 3.7e-308; Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;
 Db 1197 GAGGCGAGGTGCGTGAACCGAGATGCTCCACCAACSGCAGAACAG 1256 ; Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;
 Qy 1598 TGAACCTCATCTTAAAGAAAAAAAGATTGTTAGGGTCCTTTAATGTC 1657 ; Query KEY: misc feature
 Db 1257 TGAACCTCATCTT-AAAAAGAAAAAAAGATTGTTAGGGTCCTTTAATGTC 1315 ; NAME/KEY: misc feature
 QY 1658 ACTTTTTAGTGTGTTGTTATGATCAATTAAATTAAATTAAATTAGTC 1717 ; OTHER INFORMATION: Incyte ID No: 502478CB1
 Db 1316 ACTTTTTAGTGTGTTGTTATGATCAATTAAATTAAATTAAATTAGTC 1374 ; US-10-149-826-59
 QY 1718 GCAAAAGAAAAAAAGGGCGG 1743 ; Query Match 74.1%; Score 1292.2; DB 8; Length 1321;
 Db 1375 GCAAAAGAAAAAAAGGGCGG 1400 ; Best Local Similarity 99.6%; Pred. No. 3.7e-308; Matches 1316; Conservative 0; Mismatches 3; Indels 2; Gaps 2;
 RESULT 8
 US-10-149-826-59
 ; Sequence 59 Application US/10/149-826
 ; Publication No. US20030224314A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE GENOMICS, INC.
 ; APPLICANT: BURFORD, Neil
 ; APPLICANT: BAUGEN, Mariah R.
 ; APPLICANT: AU-YOUNG, Janice
 ; APPLICANT: YANG, Juming
 ; APPLICANT: LU, Duying Aina M.
 ; APPLICANT: REDDY, Roopa

TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
TITLE OF INVENTION: CELLS
FILE REFERENCE: D0048NP
CURRENT APPLICATION NUMBER: US/09/992,331
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/308,540
PRIOR FILING DATE: 2001-07-27
PRIOR APPLICATION NUMBER: 60/261,782
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 60/248,483
PRIOR FILING DATE: 2000-11-14
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 1086
TYPE: DNA
ORGANISM: Homo sapiens
US-09-992,331-1

Page 13

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Db      301 ACTGAGGCCCTGGCTCTGGCCCCGTGCCCACACTCCTCTCTAGTGTGACCCCG 360
Qy      404 AGCGCACTGGCACCATCCTCACCTTGCGCGTCACCGCATGGCATGGTGATC 463
Db      361 AGCGCACTGGCACCATCCTCACCTTGCGCGTCACCGCATGGCATGGTGATC 420
Qy      464 GTGCACCTGGCACGGCTGGCGCTGGCGCTGGCGGGGGGGGGGGGGGGGGGG 523
Db      421 GTGCACCTGGCACGGCGGGCGGGCGGGCTGGCGGGCGGGCGGGCGGGCGGG 480
Qy      524 CTCACTGGGGCATTCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 583
Db      481 CTCACTGGGGCTTCGGGGCTTCGGGGCTTCGGGGCTTCGGGGCTTCGGGG 540
Qy      584 CCGCAACCGGGTCCCGGGCGGGCGGGGGGGGGGGGGGGGGGGGGGGGG 643
Db      541 CCGCAACCGGGTCCCGGGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 600
Qy      644 ATTCCTGGAGAGACTCTGGGGATCTCTTTGACTCTGACTCTGGGGGGGG 703
Db      601 ATTCCTGGAGAGACTCTGGGGATCTCTTTGACTCTGACTCTGGGGGGGG 660
Qy      704 CTGGCATCTGATCAGTACTCCAAATTACAGATCACAAAGGATCAAAGGAGG 763
Db      661 CTGGCATCTGATCAGTACTCCAAATTACAGATCACAAAGGATCAAAGGAGG 720
Qy      764 CTCACGGTAGGCCTGGCTACTCGGAGGGCCACCGAGATCGGGTGTCCAGG 823
Db      721 CTACGGTAGGCCTGGCTACTCGGAGGGCCACCGAGATCGGGTGTCCAGG 780
Qy      824 CGGCCTCTGGCACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 883
Db      781 CGGCCTCTGGCACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 840
Qy      884 ATCATCACCTCCCTCATCTGTGATCCAGAACCTCAAGCAAGACCTGTCACTGGCG 943
Db      841 ATCATCACCTCCCTCATCTGTGATCCAGAACCTCAAGCAAGACCTGTCACTGGCG 900
Qy      944 TCCCTCTCTCTGGGGTGGCTCACATTGCTAATTCAGCCCTAACCCCATCTC 1003
Db      901 TCCCTCTCTGGGGTGGCTCACATTGCTAATTCAGCCCTAACCCCATCTC 960
Qy      1004 TACACACATGACCTCTGGAGGAATTTTCTGCTCTGGTTCCCA 1063
Db      961 TACACACATGACCTCTGGAGGAATTTTCTGCTCTGGTTCCCA 1020
Qy      1064 GAAAGGGGACCATTTAACAGAACATCTGCTAACAGAACATGACTTGCGATTCT 1123
Db      1021 GAAAGGGGACCATTTAACAGAACATCTGCTAACAGAACATGACTTGCGATTCT 1080
Qy      1124 GGCTAA 1129
Db      1081 GGCTAA 1086

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Search completed: December 9, 2005, 11:37:33
 Job time : 1502 sec

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OM nucleic - nucleic search, using SW model

Run on: December 9, 2005, 08:17:41 ; Search time 215 Seconds

3030.831 Million cell updates/sec

Title: US-10-077-698-2

Perfect score: 1743 Sequence: 1 tcggacttagttctagacgaaaaaaaaaaaaaaaaggcg 1743

Scoring table: IDENTITY_NUC Gapov 10.0 , Gapext 1.0

Searched: 3392430 seqs, 186927314 residues

Total number of hits satisfying chosen parameters:

6784860

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA_New:*

- 1: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB_seq:*
- 2: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB_seq:*
- 3: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB_seq:*
- 4: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB_seq:*
- 5: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB_seq:*
- 6: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB_seq:*
- 7: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB_seq:*
- 8: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB_seq2:*
- 9: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB_seq:*
- 10: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB_seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	369.4	21.2	1104	Sequence 10, Appl
2	276.8	15.9	426	Sequence 33, Appl
3	237.8	13.6	162085	Sequence 7, Appl
4	236.4	13.6	162314	Sequence 45, Appl
5	235.2	13.5	25308	Sequence 77, Appl
6	231.6	13.3	15989	Sequence 57, Appl
7	230	13.2	30000	Sequence 3, Appl
8	229.2	13.1	156735	Sequence 93, Appl
9	227.4	13.0	17486	Sequence 105, Appl
10	226.6	13.0	160213	Sequence 103, Appl
11	226.6	13.0	179777	Sequence 106, Appl
12	226.6	13.0	189993	Sequence 78, Appl
13	225.6	12.9	160697	Sequence 48, Appl
14	225.2	12.9	14801	Sequence 22, Appl
15	224.2	12.9	38703	Sequence 28, Appl
16	224	12.9	15416	Sequence 43, Appl
17	223.6	12.8	187745	Sequence 83, Appl
18	223.2	12.8	19666	Sequence 67, Appl
19	222.8	12.8	15989	Sequence 57, Appl
20	222.2	12.7	15515	Sequence 42, Appl
21	222.2	12.7	19660	Sequence 43, Appl
22	222	12.7	17623	Sequence 41, Appl
23	222	12.7	180654	Sequence 58, Appl

RESULT 1
US-10-980-388-10
; Sequence 10, Application US/10980388
; Publication No. US20050255490A1
; GENERAL INFORMATION:
; APPLICANT: vogeli, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebich, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kayser, Paul S.
; APPLICANT: Ruff, Valerie
; APPLICANT: Huff, Rita M.
; APPLICANT: Wood, Linda S.
TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
CURRENT APPLICATION NUMBER: US10/980,388
CURRENT FILING DATE: 2004-11-02
PRIOR APPLICATION NUMBER: US/09/791,932
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
; PRIOR APPLICATION NUMBER: 60/184,303
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,397
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,247
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/188,880
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/217,369
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/217,370
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/218,492
; PRIOR FILING DATE: 2000-07-20
; Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
; LENGTH: 1104
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-980-388-10

ALIGNMENTS

RESULT 4 US-11-112-908-45

; Sequence 45, Application US/1112908

; GENERAL INFORMATION:

; APPLICANT: Harris, Cole

; TITLE OF INVENTION: Breast Cancer Biomarker^b

; FILE REFERENCE: 04-164-US

; CURRENT APPLICATION NUMBER: US/11/112,908

; CURRENT FILING DATE: 2005-04-22

; PRIOR APPLICATION NUMBER: US 60/564,758

; PRIOR FILING DATE: 2004-04-23

; PRIOR APPLICATION NUMBER: US 60/575,978

; PRIOR FILING DATE: 2004-06-01

; PRIOR APPLICATION NUMBER: US 60/631,702

; PRIOR FILING DATE: 2004-11-30

; PRIOR APPLICATION NUMBER: US 60/633,826

; PRIOR FILING DATE: 2004-12-07

; NUMBER OF SEQ ID NOS: 511

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO: 45

; LENGTH: 162314

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-112-908-45

Query Match 13.6%; Score 235.4; DB 7; Length 162314;

Best Local Similarity 83.1%; Pred. No. 3.1e-39; Matches 281; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

Matches 280; Conservative 0; Mismatches 48; Indels 6; Gaps 1;

Qy 1293 ATATTTTCTTATAAAGGATTGTGGCAGGTGGTCACTGCGTAAATCCAGCAST 1352

Db 522 ATAABGGTCACTATAAAATCATTTGGCGCGTGCGCTTGCCGTAAT 581

Qy 1353 CCCAGCAGTGGAGGCTGGATCTGAGGTGGTCACTGCGTAAATCCAGCAST 1412

Db 582 CCAGGACTTGGAGGGTGGAGGCAATCACCTGAGGTGGTCAAGGACAC 641

Qy 1413 CTGACCAACTGGTGAACCCGTCCTAAATAAAAAAATAGCTGGAG 1472

Db 642 CCAACCACATGGT-AAAACCTGTCTACTAAAAATACAAAAAATTAGCCAGGTG 700

Qy 1473 TGGGGGGACCTGATACTGACTTGGAGGCTGGACAGAACCTCTGAA 1532

Db 701 TGGTGTGGGGGCTGTAATCCGACTCTGGAGGCCAGGAGATCATTTGA 760

Qy 1533 CCTGGGGAGGAGGTTGAGCTGGCGAGATCGTCCAAACAGGCAAC 1592

Db 761 CCTGGGGAGGAGGTTACAGTGTGAGATCGCCATTCGACTCTGGGTGAC 820

Qy 1593 AAGACTGAAACTCCATTTAAAAAAAAAAAGA 1630

Db 821 AAGAGTGAACTOCGTCACAAAAATAAACAAACA 858

RESULT 5 US-11-121-086-77/c

; Sequence 77, Application US/11121086

; Publication No. US20050266459A1

; GENERAL INFORMATION:

; APPLICANT: Poulsen, Tim S.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

; PRIOR APPLICATION NUMBER: 60/567,570

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 107

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO: 57

; LENGTH: 155989

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-121-086-57

Query Match 13.3%; Score 231.6; DB 7; Length 155989;

Best Local Similarity 81.2%; Pred. No. 2.9e-38; Matches 281; Conservative 0; Mismatches 64; Indels 1; Gaps 1;

Matches 280; Conservative 0; Mismatches 54; Indels 6; Gaps 1;

Qy 1298 ATTCGCCTTATAAAGGATTGTGGCAGGTGGTCACTGCGTAACTCCAG 1357

Db 38223 ATATTCCTCATGAGGAGTCTGGCAGGGTGGTCACTGCGTAACTCTAG 38164

Qy 1358 CAGTTGGAGGCTGGGGTGGTCACTGAGGTGGTCAAGGACCAACCTGAC 1417

Db 38163 CACTTGGGGCCAGGGGGTGGTCACTGCGTCACTGAGGTGGTCAAGGACCAACCTGGC 38104

RESULT 7
US-11-102-978-3/C
; Sequence 3, Application US/11102978
; Publication No. US20050250142A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Diagnosis and Treatment of Herpes Simplex Virus Disease
; FILE REFERENCE: 0274-5537-1US
; CURRENT APPLICATION NUMBER: US/11/102, 978
; CURRENT FILING DATE: 2005-04-11
; PRIOR APPLICATION NUMBER: PCT/US2003/033152
; PRIOR FILING DATE: 2003-10-18
; PRIOR APPLICATION NUMBER: 60/419, 576
; PRIOR FILING DATE: 2002-10-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.2
SEQ ID NO 3
LENGTH: 340000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: exon
LOCATION: (56948)..(57115)
OTHER INFORMATION: C21orf34 exon
FEATURE:
NAME/KEY: misc_feature
LOCATION: (80006)..(81089)
OTHER INFORMATION: Gene VDAC2P; voltage-dependent anion channel isoform 2 pseudogene
FEATURE:
NAME/KEY: exon
LOCATION: (167308)..(167438)
OTHER INFORMATION: C21orf34 exon
FEATURE:
NAME/KEY: exon
LOCATION: (216732)..(216833)
OTHER INFORMATION: C21orf34 exon
; us-11-102-978-3

Query Match 13.1%; Score 229.2; DB 7; Length 156735;
Best Local Similarity 83.4%; Pred. No. 9e-38; Mismatches 53; Indels 1; Gaps 1;
Matches 272; Conservative 0; Mismatches 53; Indels 1; Gaps 1;

RESULT 8
US-11-121-086-93/C
; Sequence 93, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; TITLE OF INVENTION: NUCLEAR ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138-600-00000
; CURRENT APPLICATION NUMBER: US/11/121, 086
; PRIOR APPLICATION NUMBER: 60/5567, 570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
SEQ ID NO 93
LENGTH: 156735
TYPE: DNA
ORGANISM: Homo sapiens
; us-11-121-086-93

Query Match 13.1%; Score 229.2; DB 7; Length 156735;
Best Local Similarity 83.4%; Pred. No. 9e-38; Mismatches 53; Indels 1; Gaps 1;
Matches 272; Conservative 0; Mismatches 53; Indels 1; Gaps 1;

RESULT 9
US-11-121-086-105
; Sequence 105, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEAR ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138-600-00000
; CURRENT APPLICATION NUMBER: US/11/121, 086

QY 1418 CAACATGGTGTGACCCCGTCTACTAAATAAAAAAATTAGCTGGAGTGGTG 1477
Db 38103 CAACATGAG-A-ACCCCGTCTACTAAATAAAAAATTAGCTGGAGTGGTG 38045
QY 1478 GTGGCACCTGTAATCCTACTACTACTTGGAATGGCTAACGGAAATCTTGACCTCG 1537
Db 38044 GCGGTGCTGTAACTCCAGCTACTTAGGGGCTAGGGAGATCGTTGACCTCA 37985
QY 1538 GAGGAGAGAGTGCAGTGACCCGAGATGGCCATGTCACCCAGGGCAACAGAG 1597
Db 37984 GAGGGGAGGTGCGATGACCCGACATGCCATGGCTGGCAACAGAG 37925
QY 1598 TGAAGTCCCTAAAGAGATTTGTTAGGGTT 1643
Db 37924 TGAAGTCCCTAAAGAGATTTGTTAGGGTT 37879

QY 1489 TAATCCTGCTACTTGAGGCTGAAACAGGAAATCTGACCTGGAGCCAGGT 1548
Db 188017 TAATCCTGAGCTACTTGAGGCTGAGGAGAAATTCTGACCTGGAGCT 188048
QY 1549 TGAGTGGAGGAGATGGCCATGACTCCACCCGGCAACAGAGTAACCTAT 1608
Db 188047 TGAGTGGAGGAGATCATGCCATGACTCCACCCGGCAACAGAGTAACCTAT 187988
QY 1609 CTAAAAAAGAAAAAAAGA 1630
Db 187987 CTCAAAGAAAAGAAAAGAAA 187966

CURRENT FILING DATE: 2005-05-04
 PRIORITY APPLICATION NUMBER: 60/567,570
 PRIOR FILING DATE: 2005-05-04
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO: 105
 LENGTH: 171486
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-121-086-105
 Query Match 13.0%; Score 227.4; DB 7; Length 171486;
 Best Local Similarity 81.6%; Pred. No. 2.2e-37;
 Matches 288; Conservative 0; Mismatches 61; Indels 4; Gaps 2;
 Qy 1286 AAGTTCTATAATTTCCTTATAAAGGATTTGGAGGTGGCTGAGCTGGCGAGGCGAGGGTGTATGC 1345
 Db 86434 AAATTACAAATAGTAATCACATTAAGATGCCATTCTGGCCGGGGCGGTGCTCATGC 86493
 Qy 1406 GACCAACCTGACCACTGGTGAAGACCCGCTCTACTAAATAAATAAAAAATTTAG 1465
 Db 86554 GACCAACCTGACCACTAGTGA-ANCCCGCTCTACTGAAT--ATTAAGTAG 86609
 Db 86494 CTGTAATCTCAGCACTTGGAGGCAGGGGGTGATGTGTCAGGAGTCGA 86553
 Qy 1526 TCTTGGACCTGGACGAGGTTGGCTGAGCCGAGATCGTCCATCCACCA 1585
 Db 86610 CTGGGATGGTGTGCGGGCTGTAACTCCACACTAGGGAGGTGAGGAGAAC 86669
 Qy 1586 GGGCAACAAGAGTGAACATCTCACTTAAAAAAGATTTGTTAT 1638
 Db 86730 GGGCAACAAGAGTGAACATCTCACTTAAAAAAGATTTGTTAT 86782
 RESULT 10
 US-11-121-086-103/c
 Publication No. US20050266459A1
 Sequence 103, Application US/11121086
 GENERAL INFORMATION:
 APPLICANT: POULSEN, TIM S.
 ATTORNEY: NIELSEN, KIRSTEN V.
 TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 FILE REFERENCE: 09138_6000-0000
 CURRENT APPLICATION NUMBER: US/11/121,086
 CURRENT FILING DATE: 2005-05-04
 PRIOR APPLICATION NUMBER: 60/567,570
 PRIOR FILING DATE: 2004-05-04
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO: 106
 LENGTH: 179777
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-121-086-106
 Query Match 13.0%; Score 226.6; DB 7; Length 179777;
 Best Local Similarity 83.9%; Pred. No. 3.2e-37;
 Matches 281; Conservative 0; Mismatches 49; Indels 5; Gaps 2;
 Qy 1296 ATATTTCCCTTATAAAGGATTTGGCCAGTGCTCATGCCTGATCCC 1355
 Db 118973 ATTCCTGTGGTTAAAGATAGATGTTGGCCGGCGCTGCTACCGCTGTATCC 118914
 Qy 1356 AGCAAGTTGGGGCTGAGGTGGCTGAGTACCTGAGGTGAGACTTGAGA 1415
 Db 118913 AGCACATTGGAGGCCAGGTGGATACCTGAGGTGAGACTTGAGA 118954
 Qy 1416 ACCAACATGGTGAACCCATCTCCTAATTTAGTAGCTGGAGTGG 1475
 Db 118853 GCCAACATGGTA-AACCCATCTCCTAATTTAGTAGCTGGTGG 118799
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO: 103
 LENGTH: 160213
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-11-121-086-103
 Query Match 13.0%; Score 226.6; DB 7; Length 160213;
 Best Local Similarity 81.2%; Pred. No. 3.1e-37;
 Matches 280; Conservative 0; Mismatches 54; Indels 11; Gaps 1;
 Qy 1298 ATTTTCCTTATAAAGGATTTGGCTGAGCTGGCCAGTGTGAGCT 1357
 Db 39085 ATTTGTCACCTTAAAGATGAGATGAGCCAGATGTGGCTCATGCCCTAATCCAG 39026
 Qy 1358 CAGTTGGGAGCTGGTGGTGGACCTGAGGTGGCTGAGCTGGCCAGTGTGAGCT 1417
 Db 39025 CACTTGGAGCTGGGGGGTGGTGGCTGAGCTGAGCTAAGACCAACTGGC 38966
 RESULT 11
 US-11-121-086-106/c
 Sequence 106, Application US/11121086
 Publication No. US20050266459A1
 GENERAL INFORMATION:
 APPLICANT: POULSEN, TIM S.
 ATTORNEY: NIELSEN, KIRSTEN V.
 TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 FILE REFERENCE: 09138_6000-0000
 CURRENT APPLICATION NUMBER: US/11/121,086
 CURRENT FILING DATE: 2005-05-04
 PRIOR APPLICATION NUMBER: 60/567,570
 PRIOR FILING DATE: 2004-05-04
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO: 106
 LENGTH: 179777
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-11-121-086-106
 Query Match 13.0%; Score 226.6; DB 7; Length 179777;
 Best Local Similarity 83.9%; Pred. No. 3.2e-37;
 Matches 281; Conservative 0; Mismatches 49; Indels 5; Gaps 2;
 Qy 1296 ATATTTCCCTTATAAAGGATTTGGCCAGTGCTCATGCCTGATCCC 1355
 Db 118973 ATTCCTGTGGTTAAAGATAGATGTTGGCCGGCGCTGCTACCGCTGTATCC 118914
 Qy 1356 AGCAAGTTGGGGCTGAGGTGGCTGAGTACCTGAGGTGAGACTTGAGA 1415
 Db 118913 AGCACATTGGAGGCCAGGTGGATACCTGAGGTGAGACTTGAGA 118954
 Qy 1416 ACCAACATGGTGAACCCATCTCCTAATTTAGTAGCTGGAGTGG 1475
 Db 118853 GCCAACATGGTA-AACCCATCTCCTAATTTAGTAGCTGGTGG 118799
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 SEQ ID NO: 103
 LENGTH: 160213
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-11-121-086-103
 Query Match 13.0%; Score 226.6; DB 7; Length 160213;
 Best Local Similarity 81.2%; Pred. No. 3.1e-37;
 Matches 280; Conservative 0; Mismatches 54; Indels 11; Gaps 1;
 Qy 1298 ATTTTCCTTATAAAGGATTTGGCTGAGCTGGCCAGTGTGAGCT 1357
 Db 39085 ATTTGTCACCTTAAAGATGAGATGAGCCAGATGTGGCTCATGCCCTAATCCAG 39026
 Qy 1358 CAGTTGGGAGCTGGTGGTGGACCTGAGGTGGCTGAGCTGGCCAGTGTGAGCT 1417
 Db 39025 CACTTGGAGCTGGGGGGTGGTGGCTGAGCTGAGCTAAGACCAACTGGC 38966
 RESULT 12
 US-11-121-086-106
 Sequence 78, Application US/11121086
 Publication No. US20050266459A1
 GENERAL INFORMATION:
 ATTORNEY: NIELSEN, KIRSTEN V.

APPLICANT: NIELSEN, KIRSTEN V.
 TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 FILE REFERENCE: 09138_6000-00000
 CURRENT APPLICATION NUMBER: US/11/121, 086
 CURRENT FILING DATE: 2005-05-04
 PRIORITY APPLICATION NUMBER: 60/567, 570
 PRIOR FILING DATE: 2004-05-04
 NUMBER OF SEQ ID NOS: 107
 SOFTWARE: PatentIn version 3.3
 LENGTH: 189993
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-11-121-086-78

Query Match 13.0%; Score 225.6; DB 7; Length 189993;
 Best Local Similarity 82.5%; Pred. No. 3.3e-37;
 Matches 273; Conservative 0; Mismatches 54; Indels 4; Gaps 1;

QY 1297 TATTTCCTTATAAAGGATTTGGCAGGTGACTGGTCAATGGTGTATCCCA 1356
 Db 88238 TATTTCCTTACAATACATAATTGGCGCGCAGTGCTCATCTGGATCTTA 88297

QY 1357 GCAGTTGGAGGCTGGGGTGGATCCTCTGGTCACTGGTCACTGGTCACTGGA 1416
 Db 88298 GCACTTGAGGGCTGGGGAGGATATGCCGGAGGTGGAGCTGAGACCTGG 88357

QY 1417 CCACATGGAGGCCCTCTCTACTAAATAAAATAATTGCTGGAGTGT 1476
 Db 88358 CCACATGGAGAACCCCTCTACTAAATAATTGCTGGAGTGT 88413

QY 1477 GGTGGCACCTGTAATCCCTGACTACTGGAGGTGACCCAGGAACTCTTGACCTG 1536
 Db 88414 AGTGGCACCTGTAATCCCTGACTCTGGAGGTGACCTGGAGTGT 88473

QY 1537 GGAGGCAGAGGTGCACTGGCAGATCTGCCATTGCTCCACCMGGCACAGA 1596
 Db 88474 GGAGGGGAGGTGCACTGGCAGATCTGCCATTGCTCCAGCTGGCACAGA 88533

QY 1597 GTGAAACTCCTAATGAAAAAAA 1627
 Db 88534 GCAAACTCTCTCAAATGAAAAAAA 88564

RESULT 13
 US-11-121-086-48/C
 ; Sequence 48, Application US/11/121/086
 ; Publication No. US20050266459A1
 ; GENERAL INFORMATION:
 ; APPLICANT: POULSEN, TIM S.
 ; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 ; FILE REFERENCE: 09138_6000-00000
 ; CURRENT FILING DATE: 2005-05-04
 ; PRIORITY APPLICATION NUMBER: 60/567, 570
 ; NUMBER OF SEQ ID NOS: 107
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 22
 ; LENGTH: 114801
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-11-121-086-22

Query Match 12.9%; Score 225.2; DB 7; Length 114801;
 Best Local Similarity 83.3%; Pred. No. 5.4e-37;
 Matches 280; Conservative 0; Mismatches 53; Indels 3; Gaps 2;

QY 1293 ATATAATTTCCCTTATAAAGGATTTGGCCAGGTGACTGGTCAATGGTGTAT 1352
 Db 29557 ATCAGATTCAGCCATTGAAAMAGCAATTGGCCGGTACCGTGGTCACTGGTCAAT 29616

QY 1353 CCCAGCAGTTGGAGGCTGGAGGTGGGGTGGATTCACCTGGTCACTGGTCACTGGTCAAC 1412
 Db 29617 CCCAGCAGTTGGAGGCTGGAGGTGGATTCACCTGGTCACTGGTCACTGGTCAAC 29676

QY 1413 CTGACCAACATGGAGGCCCTCTACTAAATAAAATAATTGCTGGAG 1472
 Db 29677 CTGACCAACATGGTAACCCCTCTACTAAATAACAAAATA-TAGCTGCGA 29733

QY 1473 TGGGGGGAGCTGTAATCTGACTTGGAGGCTGAAACAGGAAATCTGTGA 1532
 Db 29734 TGGGGGGAGCTGTAATCTGACTTGGAGGCTGAAACAGGAAATCTGTGA 29793

QY 1533 CCTGGGGAGGAGGTGCACTGGAGGTGGAGGCTGAAAGGAAATCTGTGA 1592
 Db 29794 CCTGGGGAGGAGGTGCACTGGAGGCTGAAAGGAAATCTGTGA 29853

QY 1593 AAGAGTGAACCTCTAATGAAAAAAA 1628
 Db 29854 AAGAGTGAACCTCTAATGAAAAAAA 29889

RESULT 15
 US-11-052-544-28/C

```

; Sequence 28, Application US/11052544
; Publication No. US2005025550A1
; GENERAL INFORMATION:
; APPLICANT: PARL, Fritz F.
; TITLE OF INVENTION: METHOD OF DETECTING AN INCREASED
; SUSCEPTIBILITY TO BREAST CANCER
; FILE REFERENCE: 22000_012702
; CURRENT APPLICATION NUMBER: US/11/052,544
; CURRENT FILING DATE: 2005-02-07
; PRIOR APPLICATION NUMBER: 60/543, 866
; PRIORITY FILING DATE: 2004-02-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO: 28
; LENGTH: 38703
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence; note =
; OTHER INFORMATION: synthetic construct
; US-11-052-544-28

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Query Match Similarity 12.9%; Score 224.2; DB 7; Length 38703;
Best Local Similarity 79.3%; Pred. No. 5; 9e-37; Mismatches 68; Indels 5; Gaps 1;
Matches 280; Conservative 0; MisMatches 68; Indels 5; Gaps 1;
Oy 1309 ATAAAGGATTTGGTGCCTGAGTCATCCCTTAATCCAGACTTGGAG 1368
Db 16584 AAAAAGAAAAAAAGAGCCGCCATGGTGCTCACATTGTAAATCCAGATTTGGAG 16525
Oy 1369 GCTGAGGTGGTGGTCACTCGAGTCAGGTCAGGTTGGACACCTGACCCACATGGTA 1428
Db 16524 GCGGACTTTGGTGGATCACCTGAGGGTGGAGTCAGACAGCCGTGACACATGGTA 16465
Oy 1429 GACCCCCGTCTCTACTAAATAAATAAAAAAATTAGCTGGAGTGTGGTGGGGACCTG 1488
Db 16464 GACCCCTGTCTACTAAATAAAT.....ACAAAATTAGCTGGTGGGGACATGCCTA 16410
Oy 1489 TAATCCTAGCTACTTGGGAGCTGAAACGAAATCTCTGAACTGGGGAGGAGGT 1548
Db 16409 TAATCCCACTACTAGGGAGCTGAGGCAAGAACATCTCTGAACTGGGGAGGT 16350
Oy 1549 TCCAGTCAGCCAGATGTCGCACTCCACACAGGGCAACAGAGTGAACCTCCAT 1608
Db 16349 TCCGGTGAGCCAGATGTCGTCATGCCACCCAGCTGGCAACAGAGTGAACCTCCAT 16290
Oy 1609 CTTAAAGAAAAAAAGAAAAAGATTGGTTATGGTCTTAAATGTGAATT 1661
Db 16289 CTCAACAAAGAAAAGAGAAAAGAAATACCTGCAATTATGAGCTGGCTT 16237

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Search completed: December 9, 2005, 11:41:19
 Job time : 225 Secs

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OM nucleic - nucleic search, using Bw model
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GenCore version 5.1.6

1/ina/pCT
1/ina/PP
1/ina/RE
1/ina/bac

No. 18 the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 4
US-09-456-455A-5

Qy 750 CATCAAGGAGGGCTCACCGTAACCTGCCTACTCGGAGGCCAACGATCCCGTGT 809
Db 901 CTCGGGAAGAGGCTTACCGTGCATGAGCCACAGATCGAGCT 960
Qy 810 CCCAGGAGACTCCGGCTCTCCGACCCCTCTCTCCATGCTCTCTCATCA 869
Db 961 CCCACAGACTACCGCTTCCGACGCTTCTCTGCTCATGCTCTCTCATCA 1020
Qy 870 TGTGGAGCCATCATCATACCATTCTCATGCTGAGCAGCTTGCC 929
Db 1021 TGTGGAGCCATCATCATACCATTCTCATGCTGAGCAGCTTGCC 1080
Qy 930 TGGTCATCTGGCGTCCCTCTCTGGTGGCGCTTACATTGCTTAAGCCC 989
Db 1081 TGGTCATCTGGCGTCCCTCTCATGCTGAGCAGCTTGCC 1140
Qy 990 TAACCCATCTCTACAACTGACACTGTGAGGATGAGTGGAGAAATTGCT 1049
Db 1141 TAACCCATCTGTACAACTGTCCTGTCAGGAGCTGGAAAGTTTGTCT 1200
Qy 1050 GCTTCRGRGTRCCAGAAAAGGAGCCATTAAACAGACAACTCTCAAAAGAATGACT 1109
Db 1201 GCTTCRGRGTRCCAGAGAACGGAGCCATTAAACAGATAGCTCTGTCAGGGAATGACT 1260
Qy 1110 TGTGATTAATTCGCTTAATTTCTTAGCCAGGTTCTCACACTGGCGACTGT 1169
Db 1261 TGTCGTGTTACCTCCAGCTAA.....CTAGCTCTGTCAGGACAC 1306
Qy 1170 GGCAATGCTTTAACAGAGTCATTCCAGTACCCCTCATCAGTGACCCGTGTTAAGA 1229
Db 1307 GGTTGTCATTAAGGAGTTACTCAAGGAAGGCCACAGTGCGCTGTCAA 1366
Qy 1230 A-AATGAACTTATGCAATGACATCCACGGCTGGTAATTAGGGGTGATCAGAAG 1288
Db 1367 ATACCGACTCCAACACGAGCATCTACCGAGCCAGCAATAAGGAATGATGCTCAG 1426
Qy 1289 TTCAATATAATTCCCTTATAAANGGATTGTGCG 1325
Db 1427 TATAAAATATTTCCTTAAGAACATTCTATGG 1463

RESULT 5

; Sequence 15880, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIORITY NUMBER: 60/241,755
; PRIORITY FILING DATE: 2000-10-20
; PRIORITY APPLICATION NUMBER: 60/237,768
; PRIORITY FILING DATE: 2000-10-03
; PRIORITY APPLICATION NUMBER: 60/231,498
; PRIORITY FILING DATE: 2000-09-08
; PRIORITY SEQ ID INOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 136815
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-136815

Query Match 13.4%; Score 234.2; DB 3; Length 601;
Best Local Similarity 80.9%; Pred. No. 2.1e-39; Mismatches 1; Matches 297; Conservative 1; Indels 5; Gaps 2;
Matches 297; Conservative 1; Mismatches 1; Indels 5; Gaps 2;

Qy 1272 AAGGGGTGATCAGGTTCTCATGCTTATTTCCCTTATAAAGGATTTGCGCT 1331
Db 108 AAGAACTAACCACTATGTCACATTCTGGCTAAACTCCATGATGAGCCAGCC 167
Qy 1332 GCAGTGTGTTATGCGTAAATCCAGCAGTTGGGGCTGAGGTGGTGTGATACCTGA 1391
Db 168 GCAGTGTGTTATGCGTAAATCCAGCAGTTGGGGCTGAGGTGGTGTGATACCTGA 227
Qy 1392 GGTCAGGAGTCGAGCAACATGGTGAACCCCCGTCCTACTAAATA 1451
Db 228 GGTCAGGGTTCAGACCAAGCCCTGACACATGGTA-AACCCGCTCTACTAAAT- 285
Qy 1452 AAAAAGAAATTAGCTGGAGTGGTGTGGCACCTGTATCTAGTACTGGAGGCT 1511
Db 65119 GAGGAGGAGAATGCTTGACCCAGGAGGAGGTCAGTGAGCCAGATGCGACCA 65178
Qy 1572 TTGCATCCACAGGGCACAGAGTGAACTCATCTAAAGAATAGAT 1631
Db 65179 CTGACTCCAGCTGGCCAGAGGAGAATCTCATAAAAAGAAACCT 65238
Qy 1632 TTGTTAT 1638
Db 65239 CCATGAT 65245

RESULT 6

; Sequence 136815, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIORITY NUMBER: 60/241,755
; PRIORITY FILING DATE: 2000-10-20
; PRIORITY APPLICATION NUMBER: 60/237,768
; PRIORITY FILING DATE: 2000-10-03
; PRIORITY APPLICATION NUMBER: 60/231,498
; PRIORITY FILING DATE: 2000-09-08
; PRIORITY SEQ ID INOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 136815
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-136815

Query Match 13.4%; Score 234.2; DB 3; Length 601;
Best Local Similarity 80.9%; Pred. No. 2.1e-39; Mismatches 1; Matches 297; Conservative 1; Indels 5; Gaps 2;
Matches 297; Conservative 1; Mismatches 1; Indels 5; Gaps 2;

Qy 1272 AAGGGGTGATCAGGTTCTCATGCTTATTTCCCTTATAAAGGATTTGCGCT 1331
Db 108 AAGAACTAACCACTATGTCACATTCTGGCTAAACTCCATGATGAGCCAGCC 167
Qy 1332 GCAGTGTGTTATGCGTAAATCCAGCAGTTGGGGCTGAGGTGGTGTGATACCTGA 1391
Db 168 GCAGTGTGTTATGCGTAAATCCAGCAGTTGGGGCTGAGGTGGTGTGATACCTGA 227
Qy 1392 GGTCAGGAGTCGAGCAACATGGTGAACCCCCGTCCTACTAAATA 1451
Db 228 GGTCAGGGTTCAGACCAAGCCCTGACACATGGTA-AACCCGCTCTACTAAAT- 285
Qy 1452 AAAAAGAAATTAGCTGGAGTGGTGTGGCACCTGTATCTAGTACTGGAGGCT 1511

Query Match 13.4%; Score 234.6; DB 3; Length 71574;
Best Local Similarity 81.2%; Pred. No. 7.3e-39; Mismatches 64; Indels 5; Gaps 2;
Matches 298; Conservative 0; Mismatches 64; Indels 5; Gaps 2;

Qy US-09-949-016-15880

QY 1512 GAGCCAGGAGAATCTCTGACCTGGAGGAGGTGAGTGGCAGAGTCCTGAAAGATGCCCA 1571

Db 343 GAGGAGGAGAATCGCTGACCCAGGAGGAGGTGAGTGGCAGAGTCCTGAAAGATGCCCA 402

QY 1572 TGCATCAGAACCGGGACAGAGTGAACCTCTTAAAGAAAAAAAGAT 1631

Db 403 CTGCATCAGGCCGGACAAGGCGAACTCCATCTCAAAGAAAGAAACCT 462

QY 1632 TGTATT 1638

Db 463 CGATGT 469

RESULT 7

US-09-949-016-12710

; Sequence 12710, Application US/09949016

; Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949, 016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241, 755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237, 768

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 12710

LENGTH: 78720

TYPE: DNA

ORGANISM: Human

FEATURE: misc_feature

NAME/KEY: misc_feature

LOCATION: (1)..(78720)

OTHER INFORMATION: n = A,T,C or G

US-09-949-016-12710

Query Match Best Local Similarity 80.1%; Pred. No. 1e-38; Length 78720; Matches 301; Conservative 0; Mismatches 70; Indels 5; Gaps 2;

QY 1289 TTTCATAATTTCCCTTATAAAGGATTGTTGGCCAGGTGAGTGTGCTG 1348

Db 51917 TTTCATTACATGGCATTTAAATAATTATGAGCTGTTGCTCACACAG 51976

QY 1349 TAATCCCAGCAGTTGGAGGCTGAGGTGAGTGTGCTGAGAC 1408

Db 52037 CAGCTGGCCACATGGTA-AACCCATCTACTAAAT---ACAGAAATTAACT 52091

QY 1409 GAACTGACCATGCTGAGACCCCCGCTCTACTAAATAAAATATTAGTG 1468

Db 51977 TAATCCCAGCAGTTGGAGGCTGAGGGGGGAATCTGAGTCACACAG 52036

QY 1469 GGAGTGTGGGGACCTGMMATCCATGCTTGGAGGCTGAGACAGGAACTCT 1528

Db 52092 GGTGGCCAGTGGACACTGTATCCGCATCTGGAGGCTGAGGAATCT 52151

QY 1529 TGAACCTGGGGAGGGTGCAGGTGAGCTGAGATGTTGCAACCAGGG 1588

Db 52152 TAAACTGGGGAGGGTGCAGGTGAGCCAGACGGTCCACGCTGG 52211

QY 1589 CAACAGAGTGAACCTCCATTAAAGAAAAAGATTTGTTATGGTTCTT 1648

Db 52212 TACAGAGTGAATTCATCTCAAATAATAATATCATGACCCCTGCTT 52271

QY 1649 TAACTGAACTTTT 1664

Db 52272 TAAAGATAAAATGTT 52287

RESULT 8

US-09-949-016-17283

; Sequence 17283, Application US/09949016

; Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307

CURRENT APPLICATION NUMBER: US/09/949, 016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241, 755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237, 768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231, 498

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 17283

LENGTH: 78720

TYPE: DNA

ORGANISM: Human

FEATURE: misc_feature

NAME/KEY: misc_feature

LOCATION: (1)..(78720)

OTHER INFORMATION: n = A,T,C or G

US-09-949-016-17283

Query Match Best Local Similarity 80.1%; Pred. No. 1e-38; Length 78720; Matches 301; Conservative 0; Mismatches 70; Indels 5; Gaps 2;

QY 1289 TTTCATAATTTCCCTTATAAAGGATTGTTGGCCAGGTGAGTGTGCTG 1348

Db 51917 TTTCATTACATGGCATTTAAATAATTATGAGCTGTTGCTCACACAG 51976

QY 1349 TAATCCCAGCAGTTGGAGGCTGAGGTGAGTGTGCTGAGAC 1408

Db 52037 CAGCTGGCCACATGGTA-AACCCATCTACTAAAT---ACAGAAATTAACT 52091

QY 1409 GAACTGACCATGCTGAGACCCCCGCTCTACTAAATAAAATATTAGTG 1468

Db 51977 TAATCCCAGCAGTTGGAGGCTGAGGGGGGAATCTGAGTCACACAG 52036

QY 1469 GGAGTGTGGGGACCTGMMATCCATGCTTGGAGGCTGAGACAGGAACTCT 1528

Db 52092 GGTGGCCAGTGGACACTGTATCCGCATCTGGAGGCTGAGGAATCT 52151

QY 1529 TGAACCTGGGGAGGGTGCAGGTGAGCTGAGATGTTGCAACCAGGG 1588

Db 52152 TAAACTGGGGAGGGTGCAGGTGAGCCAGACGGTCCACGCTGG 52211

QY 1589 CAACAGAGTGAACCTCCATTAAAGAAAAAGATTTGTTATGGTTCTT 1648

Db 52212 TACAGAGTGAATTCATCTCAAATAATAATATCATGACCCCTGCTT 52271

QY 1649 TAACTGAACTTTT 1664

Db 52272 TAAAGATAAAATGTT 52287

RESULT 9

US-09-949-016-11755

; Sequence 11755, Application US/09949016

; Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

FILE REFERENCE: CL001307
 CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-04-14
 PRIORITY APPLICATION NUMBER: 60/241,755
 PRIORITY FILING DATE: 2000-10-20
 PRIORITY APPLICATION NUMBER: 60/237,768
 PRIORITY FILING DATE: 2000-10-03
 PRIORITY APPLICATION NUMBER: 60/231,498
 PRIORITY FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FASTSEQ for Windows Version 4.0
 LENGTH: 144158
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(144158)
 OTHER INFORMATION: n = A,T,C or G
 SEQ ID NO 11755
 /US-09-949-016-11755

Query Match 13.4%; Score 233; DB 3; Length 144158;
 Best Local Similarity 83.3%; Pred. No. 1.6e-38; Mismatches 51; Indels 5; Gaps 1;
 Matches 279; Conservative 0; MisMatches 51;

Qy 1306 TTATATAAAGGATTGTGGCCAGGTGGTCACTGCTGATCCAGCAGTTGG 1365
 Qy 44636 TATATCAAAGTTTAATAGGCCGGTGCGTACACTGAGTCAGTTGG 44695
 Db 1366 GAGGCTGAGGTGGTGGATCACCTGAGGTCAAGGAGTCAGGAC 1425
 Qy 1366 GAGGCGAGGGGGGGGATCACCTGAGGTCAAGGAGTCAGGAC 44755
 Db 44696 GAGCCGAGGGGGGGGATCACCTGAGGTCAAGGAGTCAGGAC 1485
 Qy 1426 TCTGAGCCCCCTCTCTACTAAATAAAAAAAATTAGCTGGAGCTGGTGGGAC 1485
 Db 44756 AGAACCCCGCTCTACTAAAT----ACAATTAGCCGGCATGTGGCATGC 44810
 Qy 1486 CTGTAATCTCTGACTCTGGAGGTGACAGGAGATCTCTGAACCTGGAGGAGA 1545
 Db 44811 CTGTAATCTCTGACTCTGGAGGTGACAGGAGATCTCTGAACCTGGAGGAGA 44870
 Qy 1546 GGTGCACTGAGCCGAGATCGTCCATTGCACTCCACACAGGGCACACAGTGAACTC 1605
 Db 44871 GGTGCTGTGAGCCGAGATCGTCCATTGCACTCCACACAGGGCACACAGTGAACTC 44930
 Qy 1606 CTCCTAAAAAAGAGATTTGTTATGG 1640
 Db 44931 CATCTCAAAGAGATTTGTTATGG 44965

RESULT 10
 US-09-949-016-12936
 ; Sequence 12936, Application US/09949016
 ; Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 FILE REFERENCE: CL001307
 CURRENT APPLICATION NUMBER: US/09/949,016
 CURRENT FILING DATE: 2000-04-14
 PRIORITY FILING DATE: 2000-10-03
 PRIORITY APPLICATION NUMBER: 60/241,755
 PRIORITY FILING DATE: 2000-10-20
 PRIORITY APPLICATION NUMBER: 60/237,768
 PRIORITY FILING DATE: 2000-10-03
 PRIORITY APPLICATION NUMBER: 60/231,498
 PRIORITY FILING DATE: 2000-09-08
 NUMBER OF SEQ ID NOS: 207012
 SOFTWARE: FASTSEQ for Windows Version 4.0
 LENGTH: 144158
 TYPE: DNA

ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(144158)
 OTHER INFORMATION: n = A,T,C or G
 /US-09-949-016-12936

Query Match 13.4%; Score 233; DB 3; Length 144158;
 Best Local Similarity 83.3%; Pred. No. 1.6e-39; Mismatches 51; Indels 5; Gaps 1;
 Matches 283; Conservative 4; MisMatches 69; Indels 1; Gaps 1;

Qy 1289 TTTCATATAATTTCCCTTTAAAGGATTGTGGCCAGGTGCACTGGTCACTG 1348
 Db 378 TTTCAGTCACTTATTCCTGTAATAACCAATTGTTGGCCGACGGTGGCTCACACTG 319
 Qy 1349 TAATCCAGCGGTGGAGGTGAGGTGGGAGCACCTGAGGTGGAGAC 1408
 Db 318 TAATCCAGCGGTGGAGGTGGAGGTGGGAGCACCTGAGGTGGAGAC 259
 Qy 1409 GAACCTGACCACTATGTGAGACCCCGCTCTACTAAATAAA-AAAATTAGCT 1467
 Db 258 CAGCCTSACCACATGTSAAACCCCACTYCTACAAAAAAATACAAAGTAGCC 199
 Qy 1468 GGAGGTTGGTGGGACCTCTAATCTAGTACTTGGAGCTGTGACCAAGAATCTC 1527

RESULT 12 ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307 ; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14 ; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20 ; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03 ; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08 ; PRIOR APPLICATION NUMBER: 60/231, 498
; SOFTWARE: FastSEQ for Windows version 4.0
; SEQ ID NO 15796 ; LENGTH: 41106
; TYPE: DNA
; ORGANISM: Human ; US-09-949-016-15796

Query Match 13.4%; Score 233; DB 3; Length 561;
Best Local Similarity 83.0%; Pred. No. 3.6e-39; Matches 278; Conservative 1; Mismatches 51; Indels 5; Gaps 1;

Qy 1306 TTATTAAGGATTTGTCGCCAGSTGCACTGGTTCATGCCTGTATCCAGCAGTTGG 1365
Db 332 TATATCAAACTTATAGGCCGGTGGCTACGGTGTAAATCCCGACTTG 273
Qy 1366 GAGGTGAGCTGGGGATCACCTGGAGTAGGTGGACACCACCTGGACACATGG 1425
Db 272 GAGGCCGAGCGRGGGGATACCTGGAGTGGCTACGGTGTAAATCCCGACTTG 213

Qy 1426 TGAGCCCCGCTCTACTAAATAAAGATTGCTGGAGTGGTGGTGGCAC 1485
Db 212 AGAACCCCGCTCTACTAAAT-----ACAAATTAGCCGGCATGGTGGCATNC 158

Qy 1486 CTGTAATCCTAGCTACTTGGAGGGCTGAAACAGGAACTCCTGAACTTGGAGG 1545
Db 157 CTGTRATCCGAGCTACTTGGAGGGCTGAAACAGGAACTCCTGAACTTGGAGG 98

Qy 1546 GGTCAGCAGGAGCCGATGTCGCACTTCAACGGGGACACAGAGTGAACTC 1605
Db 97 GGTTCCTGTCAGCCGAGATGGCTCATGTCGCACTTCAACGGGGACACAGAGT 38

Qy 1606 CATCTAAAGAAAAAAAGATTGTATGG 1640
Db 37 CATCTAAAGAAAAAAAGATTGTATGG 3

RESULT 13 ; US 09-949-016-15796/C ; Sequence 15796, Application US/09949016
; Patent No. 6812339 ; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307 ; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14 ; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20 ; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03 ; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08 ; PRIOR APPLICATION NUMBER: 60/231, 498
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16676 ; LENGTH: 29357
; TYPE: DNA

RESULT 14 ; US 09-949-016-16676 ; Sequence 16676, Application US/09949016
; Patent No. 6812339 ; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307 ; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14 ; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20 ; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03 ; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08 ; PRIOR APPLICATION NUMBER: 60/231, 498
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16676 ; LENGTH: 29357
; TYPE: DNA

RESULT 15
 US-09-949-016-4295/C
 ; Sequence 4295, Application US/09949016
 ; Patent No. 6512339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
 ; FILE REFERENCE: CL001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; CURRENT FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; PRIOR FILING DATE: 2000-09-08
 ; NUMBER OF SEQ ID NOS: 20702
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 4295
 ; LENGTH: 2742
 ; TYPE: DNA
 ; ORGANISM: Human
 ; US-09-949-016-4295

Query Match Similarity 13.3%; Score 231.8; DB 3; Length 2742;
 Best Local Similarity 73.6%; Pred. No. 1e-38; Mismatches 0; Matches 323; Conservative 112; Indels 4; Gaps 2;

Qy 1287 AGTTCTATAATTTCCCTTATAAAGGATTGGCAGGTGAGTGGTCATGCC 1345
 Db 1506 AGTCTCTCAACAACTCTAACATTCTAACAAAGATGCGAGGTGAGTGCCTACGCC 1447
 Qy 1347 TGTAACTCCCACAGCTTGGAAGGGCTGAGGTGGTGGATCACCTGAGGTGGAGTCAG 1405
 Db 1446 TGTAACTCCCACAGCTTGGAAGGGCTGAGGTGGTGGATCACCTGAGGTGGAGTCAG 1387
 Qy 1407 ACCACCTGACCAACATGGAGACCCCCCTCTACTAAATAAAAAAAATTAGC 1466
 Db 1386 ATCACCTGACCAACATGGAGACCCCCCTCTACTAAATAAAAAAAATTAGC 1331

Query Match Similarity 13.3%; Score 232; DB 3; Length 29357;
 Best Local Similarity 86.7%; Pred. No. 1.9e-38; Mismatches 40; Matches 267; Conservative 0; Indels 1; Gaps 1;

Qy 1324 GGCCAGGTGAGTGGTCATGCGTATCCAGCAGTTGGAGGCTGAGGTGGAGA 1383
 Db 22335 GCCCAGGTGAGTGGTCACGGCTGTAATCCAGCACTTGGAGGCCGATAAGGTGA 22394
 Qy 1384 TCACCTGAGGCAAGACTTCAGGACACATGACCACATGGTGAACCCCGCTCTAC 1443
 Db 22395 TCACCTGAGGCAAGACTTCAGGACACATGACCACATGGTGAACCCCGCTCTAC 22453
 Qy 1444 TAAATATATATATATAGCTGGAGGTGGTGGGGCTGATCTAGTCACT 1503
 Db 22454 AAAAATATATATATAGCTGGAGGTGGTGGGGCTGATCTAGTCACT 22513
 Qy 1504 GGGAGGCTGAAACAGGAGATCTGAACTCTGGAGGCAAGGTGCACTGAGCGAGA 1563
 Db 22514 ATGAGGTGAGGCAAGATCTGAACTCTGGAGGAGGTGAGCTGAG 22573
 Qy 1564 TCGTGCATTCGACTCCACCTGGCAGACAGAGTCAACTCCATTTAAATTTAAA 1623
 Db 22574 TTGTGCGGTGACTCCACCTGGCAGACAGAGTCAACTCTGTCCTCAAACAA 22633
 Qy 1624 AAAAGAT 1631
 Db 22634 AAAACAT 22641

Search completed: December 9, 2005, 08:23:18
 Job time: 340 secs

Qy 1467 TCGGAGTGGTGGGGCACCTGAAATTCTAGCTACTTGGGGAGCTGACCAAGGAGACT 1526
 Db 15330 TGGGCTGGGGCACCTGAAATTCTAGCTACTTGGGGAGCTGACCAAGGAGACT 1271
 Qy 1527 CTGAAACCTGGAGGAGAGTGGCTGAGCTGAGATGCGCATCTGACTCCACCGAG 1586
 Db 1270 CCTGAAACCTGGGGAGGAGAGTGGCTGAGCTGAGATGCGCATCTGACTCCACCGAG 1211
 Qy 1587 GCGAACAGAGTGAACCTGCACTTAATTTAAATTTAAAGATTTGTTATGGTCT 1646
 Db 1210 GCGAACAGAGAAGACTCCACCTGCAATTTAAACAAATAATGCGATTTCTG 1151
 Qy 1647 TTAAATGTGAACTTTTACTGTGTGAAATATGCAATTATAATTTATT 1706
 Db 1150 TGTGTATTTATTTATGATGCAATTGAAATTTTTATGTAACAGTTACA 1091
 Qy 1707 ATGACTGTTGCAAAAAA 1725
 Db 1090 CATGCTGATGGTAAATA 1072

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OM protein - protein search, using sw model

Run on: December 5, 2005, 08:53:08 (without alignments)

Search time 163 Seconds

925.377 Million cell updates/sec

Title: US-10-077-698-4

Perfect score: 1853

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Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

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- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1853 100.0 361 4 US-10-086-181-5

2 1853 100.0 361 4 US-10-086-181-5

3 1853 100.0 361 4 US-10-077-698-4

4 1853 100.0 361 4 US-10-075-887-4

5 1853 85.9 361 3 US-09-992-331-2

6 1591 85.9 361 4 US-10-015-498-2

7 1591 85.9 361 4 US-10-086-811-2

8 1591 85.9 361 4 US-10-077-698-1

9 1591 85.9 361 4 US-10-171-027-1

10 1591 85.9 361 4 US-10-075-887-1

11 1591 85.9 361 5 US-10-149-826-20

12 1591 85.9 599 5 US-10-505-486-32

13 1583 85.4 361 3 US-09-995-225-8

14 1583 85.4 361 3 US-09-995-225-8

15 1576.5 85.1 360 4 US-10-262-313-2

16 1576.5 85.1 360 4 US-10-768-878-2

17 1533 82.7 300 4 US-10-077-698-7

18 1533 82.7 300 4 US-10-075-987-7

19 1523 82.2 361 4 US-10-225-67A-682

20 1353 73.0 300 4 US-10-077-698-6

21 1353 73.0 300 4 US-10-075-987-6

22 804 43.4 221 4 US-10-116-052-12

23 804 43.4 221 4 US-10-017-611-810

24 804 43.4 221 4 US-10-292-798-1466

25 547 29.5 356 4 US-10-276-774-1615

26 536 28.9 356 3 US-09-791-932-70

27 455 24.6 356 3 US-09-791-932-93

28	315.5	17.0	339	4	US-10-087-192-1467	Sequence 1467, Appl
29	310	16.7	347	4	US-10-262-313-10	Sequence 10, Appl
30	310	16.7	347	4	US-10-768-878-10	Sequence 10, Appl
31	310	16.7	348	3	US-09-992-331-10	Sequence 1, Appl
32	310	16.7	348	4	US-10-090-569-2	Sequence 2, Appl
33	310	16.7	348	4	US-10-212-980-5	Sequence 5, Appl
34	310	16.7	348	4	US-10-081-810-54	Sequence 54, Appl
35	310	16.7	348	4	US-10-278-087A-46	Sequence 46, Appl
36	310	16.7	345	2	US-01-900-230-5	Sequence 11, Appl
37	304	16.4	345	4	US-10-262-313-11	Sequence 11, Appl
38	304	16.4	345	4	US-10-254-905-10	Sequence 10, Appl
39	304	16.4	345	4	US-10-359-285-5	Sequence 5, Appl
40	304	16.4	345	4	US-10-768-878-11	Sequence 11, Appl
41	304	16.4	346	2	US-08-899-112-32	Sequence 32, Appl
42	304	16.4	346	3	US-09-966-782A-10	Sequence 10, Appl
43	304	16.4	346	3	US-09-992-331-11	Sequence 11, Appl
44	304	16.4	346	3	US-09-825-751A-83	Sequence 83, Appl
45	304	16.4	346	3	US-09-771-287-5	Sequence 5, Appl

ALIGNMENTS

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
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- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

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1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 2000000000

Listing first 45 summaries

Database : Published Applications AA Main:*

- 1: /cgn2_6/pctdata/1/pubpaa/US07_PUBCOMB..pep:*
- 2: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB..pep:*
- 3: /cgn2_6/pctdata/1/pubpaa/US09_PUBCOMB..pep:*
- 4: /cgn2_6/prodata/1/pubpaa/US10_PUBCOMB..pep:*
- 5: /cgn2_6/pctdata/1/pubpaa/US11_PUBCOMB..pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

1 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum Match 0%

Post-processing: Minimum Match 100%

Maximum Match length: 20000000

Db 361 | 361

RESULT 2 ; PRIORITY FILING DATE: 1999-12-08
; Sequence 4, Application US/10077698 ; PRIORITY APPLICATION NUMBER: 09/223, 538
; Publication No. US2003008350A1 ; NUMBER OF SEQ ID NOS: 15
; GENERAL INFORMATION: ; SOFTWARE: Patentin Ver. 2.1
; APPLICANT: Gluckmann, Maria A. ; SEQ ID NO: 4
; TITLE OF INVENTION: 14273 Receptor, A No. US2003008350A1el G-Protein Coupled Recepto ; LENGTH: 361
; CURRENT APPLICATION NUMBER: US/10/077,698 ; TYPE: PRT
; CURRENT FILING DATE: 2002-02-13 ; ORGANISM: Murine ortholog
; PRIOR APPLICATION NUMBER: 09/261,599
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/107,761
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 09/223, 538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
; US-10-077-698-4

Query Match 100.0%; Score 1853; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 3.2e-168; Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECAQTGPGSHTLDQVNRTHPFFSDVKGDRHLVLSVETVTUGLIFVSLGNVC 60
Db 1 MSPECAQTGPGSHTLDQVNRTHPFFSDVKGDRHLVLSVETVTUGLIFVSLGNVC 60
Qy 61 ALIVVARERRRGASASLVNLFCADLFTSAIPVLYVRWTEAMLLGPVCHLFYNTM 120
Db 61 ALIVVARERRRGASASLVNLFCADLFTSAIPVLYVRWTEAMLLGPVCHLFYNTM 120
Qy 121 SGSVTILTLAASLBRMVCIVRLLRGLSGPGRTOQALIAFLAFINGYSALALPLXILFRV 180
Db 121 SGSVTILTLAASLBRMVCIVRLLRGLSGPGRTOQALIAFLAFINGYSALALPLXILFRV 180
Qy 181 PORLPGDQEPICTLMPNRGEISDVFPETLNFLVPLVGLVIVISTSKILOQTAKRR 240
Db 181 PORLPGDQEPICTLMPNRGEISDVFPETLNFLVPLVGLVIVISTSKILOQTAKRR 240
Qy 241 LTSLSLASSESHQIRVSQDYRFLTFLMVSFFIMSPIMSPIITILLIONFQDLYIWP 300
Db 241 LTSLSLASSESHQIRVSQDYRFLTFLMVSFFIMSPIMSPIITILLIONFQDLYIWP 300
Qy 301 SLFFWWVAVTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Db 301 SLFFWWVAVTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGAIFTDTSVRNDLSVIS 360
Qy 361 S 361
Db 361 | 361

RESULT 3 ; PRIORITY FILING DATE: 1999-12-08
; Sequence 4, Application US/10171027 ; PRIORITY APPLICATION NUMBER: 09/223, 538
; Publication No. US20030073168A1 ; NUMBER OF SEQ ID NOS: 15
; GENERAL INFORMATION: ; SOFTWARE: Patentin Ver. 2.1
; APPLICANT: Gluckmann, Maria A. ; SEQ ID NO: 4
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1el G-Protein Coupled Recepto ; LENGTH: 361
; CURRENT APPLICATION NUMBER: US/10/171,027 ; TYPE: PRT
; CURRENT FILING DATE: 2002-06-12 ; ORGANISM: Murine ortholog
; PRIOR APPLICATION NUMBER: US/09/456,455
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 4
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Murine ortholog
; US-10-077-698-4

Query Match 100.0%; Score 1853; DB 4; Length 361;
Best Local Similarity 100.0%; Pred. No. 3.2e-168; Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSPECAQTGPGSHTLDQVNRTHPFFSDVKGDRHLVLSVETVTUGLIFVSLGNVC 60
Db 1 MSPECAQTGPGSHTLDQVNRTHPFFSDVKGDRHLVLSVETVTUGLIFVSLGNVC 60

Db 61 ALVLVARRRGASASILVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 Qy 61 ALVLVARRRGASASILVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 Db 61 ALVLVARRRGASASILVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 Qy 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 Db 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 Qy 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 Db 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 RESULT 5
 US-09-992-331-2
 ; Sequence 2, Application US/09992331
 ; GENERAL INFORMATION:
 ; PUBLICATION NO. US2003002186A1
 ; APPLICANT: FEDER, JOHN N.
 ; APPLICANT: MINSTER, GABE
 ; APPLICANT: RAMACHAN, CHANDRA S.
 ; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPPRMY1B, EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
 ; TITLE OF INVENTION: CELLS
 ; FILE REFERENCE: D004BNP
 ; CURRENT APPLICATION NUMBER: US/09/992,331
 ; CURRENT FILING DATE: 2001-11-14
 ; PRIOR APPLICATION NUMBER: 60/308,540
 ; PRIOR FILING DATE: 2001-07-27
 ; PRIOR APPLICATION NUMBER: 60/261,782
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: 60/248,483
 ; PRIOR FILING DATE: 2000-11-14
 ; NUMBER OF SEQ ID NOS: 45
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 361
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-015-498-2
 ; Query Match 85.9%; Score 1591; DB 4; Length 361;
 ; Best Local Similarity 85.8%; Pred. No. 3.3e-143; Mismatches 309; Conservative 19; Inels 0; Gaps 0;
 ; Matches 309; Gapless 19; Mismatches 32; Inels 0; Gaps 0;
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 ; 1 MSPECRAAGDAPLSQLEQANRTRPFPSDVKGDIRLVSVETVTGGLPVFSILGNVC 60
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 ; 61 ALVLVARRRGATACLVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 ; 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 ; 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 ; 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 ; 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 ; 241 LTLSLAYSESHOIRQSQQDRFLRFTLFLMSFIMSPITLILLIONFRODLVW 300
 ; 241 LTLSLAYSESHOIRQSQQDRFLRFTLFLMSFIMSPITLILLIONFRODLVW 300
 ; 301 SLFFMWVAFTFANSALNPILYNTLERNWKIFCCFPPEKGAIPTDSVRNDLSVIS 360
 ; 301 SLFFMWVAFTFANSALNPILYNTLERNWKIFCCFPPEKGAIPTDSVRNDLSVIS 360
 ; RESULT 6
 ; US-10-015-498-2
 ; Sequence 2, Application US/10015498
 ; Publication No. US20020151705A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Smith, Kelli E.
 ; APPLICANT: Quan, Yong
 ; TITLE OF INVENTION: DNA Encoding Orphan SNORF49 Receptor
 ; FILE REFERENCE: 60134
 ; CURRENT APPLICATION NUMBER: US10/015,498
 ; CURRENT FILING DATE: 2001-12-11
 ; PRIOR APPLICATION NUMBER: US/09/412,933
 ; PRIOR FILING DATE: 1999-10-05
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: PatentIn Ver. 2.0 - beta
 ; SEQ ID NO 2
 ; LENGTH: 361
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-015-498-2
 ; Query Match 85.9%; Score 1591; DB 4; Length 361;
 ; Best Local Similarity 85.8%; Pred. No. 3.3e-143; Mismatches 309; Conservative 19; Inels 0; Gaps 0;
 ; Matches 309; Gapless 19; Mismatches 32; Inels 0; Gaps 0;
 ; MSPECQQTGGPSHTLDQNRTRPFPSDVKGDIRLVSVETVTGGLPVFSILGNVC 60
 ; 1 MSPECRAAGDAPLSQLEQANRTRPFPSDVKGDIRLVSVETVTGGLPVFSILGNVC 60
 ; 61 ALVLVARRRGASASILVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 ; 61 ALVLVARRRGATACLVNLFCADLFTSA1PLVLYVRTEAWLGLGPVCHLLFYVMW 120
 ; 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 ; 121 SGSVTILTAVSLERMCVRLRGSGPRRTOAALLAFIPLVLYVMT 180
 ; 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 ; 181 PORLGQDQEPICTLDWPNRIGEISDVFETLNFLVPGVIVISYSKLIQITKASRK 240
 ; 241 LTLSLAYSESHOIRQSQQDRFLRFTLFLMSFIMSPITLILLIONFRODLVW 300
 ; 241 LTLSLAYSESHOIRQSQQDRFLRFTLFLMSFIMSPITLILLIONFRODLVW 300
 ; 301 SLFFMWVAFTFANSALNPILYNTLERNWKIFCCFPPEKGAIPTDSVRNDLSVIS 360
 ; 301 SLFFMWVAFTFANSALNPILYNTLERNWKIFCCFPPEKGAIPTDSVRNDLSVIS 360
 ; RESULT 7
 ; US-10-086-181-2
 ; Sequence 2, Application US/10086181
 ; Publication No. US2002017715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gimeno, Ruth
 ; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC DISORDERS, INCLUDING OBESITY AND DIABETES
 ; FILE REFERENCE: MIN-220
 ; CURRENT APPLICATION NUMBER: US/10/086,181
 ; CURRENT FILING DATE: 2002-02-26
 ; PRIOR APPLICATION NUMBER: 60/271,655

PRIOR FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-086-181-2

Query Match 85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
; TYPE: PRT
; SEQ ID NO 1

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1 MSPECARAGDAPLRSLEQANRTRPFSDVKGDRHLVLAVENTVLVLFIAVSLGNVC 60

QY 61 ALVVARRRRGASASLVLNFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTM 120
61 ALVVARRRRGATACLVNLFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTL 120

Db 121 SGSVTILTLAASLERMCIVRLRGSGPGRRTQALLAFLGYSLALPLVILFVV 180
121 SGSVTILTLAASLERMCIVHLQRGVGPGGRARRAVTLALIWGSVAALPLCVFFRV 180

QY 181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240
181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240

Db 301 SLFPWWVVAFTFANSALNPILYNNLFRNEWRKIFCCFFPEKGAIIFTDSVRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

QY 241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300
241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300

Db 301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

RESULT 8
US-10-077-698-1
; Sequence 1, Application US/10077698
; Publication No. US2003000350A1
; GENERAL INFORMATION:
; APPLICANT: Glucksmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recepto
; FILE REFERENCE: MNI-201CP3
; CURRENT APPLICATION NUMBER: US/10/171-027
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US09/456,435
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-171-027-1

Query Match 85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
; TYPE: PRT
; SEQ ID NO 1

QY 1 MSPCAGQTGPGPGRHTLDQNRTRPFSDVKGDRHLVLSVETVGLIFVVSLLGNC 60
1 MSPECARAGDAPLRSLEQANRTRPFSDVKGDRHLVLAVENTVLVLFIAVSLGNVC 60

QY 61 ALVVARRRRGASASLVLNFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTM 120
61 ALVVARRRRGATACLVNLFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTL 120

Db 121 SGSVTILTLAASLERMCIVRLRGSGPGRRTQALLAFLGYSLALPLVILFVV 180
121 SGSVTILTLAASLERMCIVHLQRGVGPGGRARRAVTLALIWGSVAALPLCVFFRV 180

QY 181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240
181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240

Db 301 SLFPWWVVAFTFANSALNPILYNNLFRNEWRKIFCCFFPEKGAIIFTDSVRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

QY 241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300
241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300

Db 301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

RESULT 9
US-10-171-027-1
; Sequence 1, Application US/10171027
; Publication No. US20030073168A1
; GENERAL INFORMATION:
; APPLICANT: Tsai, Fong Ying
; TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recepto
; FILE REFERENCE: MNI-201CP3
; CURRENT APPLICATION NUMBER: US/10/171-027
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US09/456,435
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 09/223,538
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 361
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-171-027-1

Query Match 85.9%; Score 1591; DB 4; Length 361;
Best Local Similarity 85.8%; Pred. No. 3.3e-143;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;
; TYPE: PRT
; SEQ ID NO 1

QY 1 MSPCAGQTGPGPGRHTLDQNRTRPFSDVKGDRHLVLSVETVGLIFVVSLLGNC 60
1 MSPECARAGDAPLRSLEQANRTRPFSDVKGDRHLVLAVENTVLVLFIAVSLGNVC 60

QY 61 ALVVARRRRGASASLVLNFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTM 120
61 ALVVARRRRGATACLVNLFCADLFLFSAIPVLUVRWTEAWLGPVCHLFYNTL 120

Db 121 SGSVTILTLAASLERMCIVRLRGSGPGRRTQALLAFLGYSLALPLVILFVV 180
121 SGSVTILTLAASLERMCIVHLQRGVGPGGRARRAVTLALIWGSVAALPLCVFFRV 180

QY 181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240
181 PORLPGDQEIPCTLWPNRGEISDVFFETLNFVPGLVIVISKILOITKARRKR 240

Db 301 SLFPWWVVAFTFANSALNPILYNNLFRNEWRKIFCCFFPEKGAIIFTDSVRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

QY 241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300
241 LTSLASLASESHQIRVSQDYRJERTFLMVSFFIMSPIMSPITILLIONPRODULW 300

Db 301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360
301 SLFPWWVVAFTFANSALNPILYNNLCKNEWKKIFCCFFPEKGAILDTSVKRNDLSTIS 360

RESULT 10
US-10-075-987-1
; Sequence 1, Application US/10075987

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; Publication No. US20030166061A1 ; NAME/KEY: misc feature
; GENERAL INFORMATION; OTHER INFORMATION: Incyte ID No: 5029478CD1
; APPLICANT: Gluckmann, Maria A. ; SEQ ID NO: 3
; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1el G-Protein Coupled Recepto
; FILE REFERENCE: 58004B, 035801177086 ; PRIORITY NUMBER: US/10/075,987
; CURRENT FILING DATE: 2002-02-13 ; PRIORITY NUMBER: US/09/261,599B
; PRIOR APPLICATION NUMBER: US/09/223,538 ; PRIORITY NUMBER: US/10/075,987
; PRIOR FILING DATE: 1998-12-30 ; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1 ; SEQ ID NO: 1
; LENGTH: 361 ; LENGTH: 361
; TYPE: PRT ; ORGANISM: Homo sapiens
; US-10-075-987-1

Query Match Similarity 85.9%; Score 1591; DB 5; Length 361;
Best Local Similarity 85.8%; Pred. No. 3. 3e-143; Mismatches 32; Indels 0; Gaps 0;
Matches 309; Conservative 19; MisMatches 32; Indels 0; Gaps 0;

Qy 1 MSPECAGQTGPGPSHTLDQNRTHPPFSVKGDRHLVISVWETVGLIFVUSLGNVC 60
Db 1 MSPECAGTADAPLSLEQANRTRPFPSVKGDRHLVISVWETVGLIFVUSLGNVC 60
Qy 61 ALVVARRRRGASASLVNLFCADDLFTSAIPLVLUVRTEAWLGPVCHLFYWM 120
Db 61 ALVVARRRRGATACLVNLFCADDLFTSAIPLVLUVRTEAWLGPVCHLFYWM 120
Qy 121 SGSVVLTLLAVSLRMRMVCVLRGLSGGRTOALLAFLINGYSALALPVLFRVV 180
Db 121 SGSVVLTLLAVSLRMRMVCVHLQRGVRGPRRAVIALIWLGSAVAALPLCVFFRV 180
Qy 181 PORLGGDQEPICTLDWRIGEISWDVFETLFLVPELIVIVSYKLIQITKASRK 240
Db 181 PORLPGADQESIICLTILWPTPGEISWDVSFVTLNPLVCGIVIVSYKLIQITKASRK 240
Qy 241 LTLSLAYSESHQIRVSQQDYLFRFLFLUAVSFTMSPITLILLIONFRODVIMP 300
Db 241 LTWSLAYSESHQIRVSQQDYLFRFLFLUAVSFTMSPITLILLIONFRODVIMP 300
Qy 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360
Db 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360
Db 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360

RESULT 11 ; Sequence 32 ; Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries' Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: US/10/505,486
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO: 32
; LENGTH: 599
; TYPE: PRT
; ORGANISM: Human
; US-10-0505-486-32

Query Match Similarity 85.9%; Score 1591; DB 5; Length 599;
Best Local Similarity 85.8%; Pred. No. 6. 1e-143; Mismatches 32; Indels 0; Gaps 0;
Matches 309; Conservative 19; MisMatches 32; Indels 0; Gaps 0;

Qy 1 MSPECAGQTGPGPSHTLDQNRTHPPFSVKGDRHLVISVWETVGLIFVUSLGNVC 60
Db 1 MSPECAGTADAPLSLEQANRTRPFPSVKGDRHLVISVWETVGLIFVUSLGNVC 60
Qy 61 ALVVARRRRGASASLVNLFCADDLFTSAIPLVLUVRTEAWLGPVCHLFYWM 120
Db 61 ALVVARRRRGATACLVNLFCADDLFTSAIPLVLUVRTEAWLGPVCHLFYWM 120
Qy 121 SGSVVLTLLAVSLRMRMVCVLRGLSGGRTOALLAFLINGYSALALPVLFRVV 180
Db 121 SGSVVLTLLAVSLRMRMVCVHLQRGVRGPRRAVIALIWLGSAVAALPLCVFFRV 180
Qy 181 PORLGGDQEPICTLDWRIGEISWDVFETLFLVPELIVIVSYKLIQITKASRK 240
Db 181 PORLPGADQESIICLTILWPTPGEISWDVSFVTLNPLVCGIVIVSYKLIQITKASRK 240
Qy 241 LTLSLAYSESHQIRVSQQDYLFRFLFLUAVSFTMSPITLILLIONFRODVIMP 300
Db 241 LTWSLAYSESHQIRVSQQDYLFRFLFLUAVSFTMSPITLILLIONFRODVIMP 300
Qy 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360
Db 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360
Db 301 SLFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCCFFPEKGATFTDSVRNDLSVS 360

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RESULT 13
US-09-995-225-B
Sequence 8, Application US/09995225
; Publication No. US20020193584A1
GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huong T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Pride, Cameron
TITLE OF INVENTION: Receptors
FILE REFERENCE: AREN-0308
CURRENT APPLICATION NUMBER: US/09/995, 225
CURRENT FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 09/170, 496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: PCT/US99/23938
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/253, 404
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/255, 366
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/270, 286
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282, 358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/270, 266
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282, 032
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282, 358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282, 356
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/290, 917
PRIOR FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/309, 208
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 67
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
LENGTH: 361
TYPE: PRT
FEATURE: ORGANISM: Artificial Sequence
OTHER INFORMATION: No. US20020193584A1el Sequence
US-09-995-225-B

Query Match 85.4%; Score 1593; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142; Mismatches 308; Conservative 19; Indels 0; Gaps 0;

QY 1 MSPECAQTGPGPSHTDQVNTRHPPFSVKGDKHRVLISVVENTVIGHIFVVSILGGNC 60
Db 1 MSTECARAAGDAPLRSLEQANRTRPFFSDVKGDHRVLAVETVVLIFAVSLIGNC 60
QY 61 ALVVARRRRGASLVLNLCDLFTSIAPIVLUVRWTEAWLGLGVCHLFYNTM 120
Db 61 ALVVARRRRGATACVNLFCADLFTSIAPIVLUVRWTEAWLGLGVCHLFYNTL 120

RESULT 14
US-09-995-225-B
Sequence 8, Application US/09995225
; Publication No. US20030139588A9
GENERAL INFORMATION:
; APPLICANT: Chen, Ruoping
; APPLICANT: Chu, Zhi Liang
; APPLICANT: Dang, Huong T.
; APPLICANT: Lowitz, Kevin P.
; APPLICANT: Pride, Cameron
TITLE OF INVENTION: Endogenous And No. US20030139588A9-Endogenous Versions of Human C
FILE REFERENCE: AREN-0308
CURRENT APPLICATION NUMBER: US/09/995, 225
CURRENT FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: 09/170, 496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: PCT/US99/23938
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/253, 404
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/255, 366
PRIOR FILING DATE: 2000-12-12
PRIOR APPLICATION NUMBER: 60/270, 286
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282, 358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/270, 266
PRIOR FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 60/282, 032
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282, 358
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282, 356
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/290, 917
PRIOR FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: 60/309, 208
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 67
SOFTWARE: Patentin version 3.1
SEQ ID NO 8
LENGTH: 361
TYPE: PRT
FEATURE: ORGANISM: Artificial Sequence
OTHER INFORMATION: No. US20030139588A9el Sequence
US-09-995-225-B

Query Match 85.4%; Score 1583; DB 3; Length 361;
Best Local Similarity 85.6%; Pred. No. 1.9e-142; Mismatches 308; Conservative 19; Indels 0; Gaps 0;

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Db 1 MSTECARAAGDAPLRSLEQANRTRPFFSDVKGDHRVLAVETVVLIFAVSLIGNC 60

Job time : 165 secs

QY 61 ALVLVARRERRGASASLVLNLFCAFDLFTSAPIPLVLUVTEAMLLGPVCHLLFYWM 120
 61 ALVLVARRERRGATACVLNLFCADLFTSAPIPLVLUVTEAMLLGPVCHLLFYWM 120
 Db 121 SGSVMTLAVSLAVSLERMVCVRLRGISGGRRTQALAFIMWSALALPVLFRV 180
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 QY 181 PORLPGDQPICTLDWPRIGETSDWVPEFLNPLVREGVGRGRRARAVLALIYGSAVALPLCVFWRV 240
 181 PORLPGDQPICTLDWPRIGETSDWVPEFLNPLVREGVGRGRRARAVLALIYGSAVALPLCVFWRV 240
 Db 241 LTLSLAYSEHQIRVSQDQRFLRFLFLNVSFFMSPITILILQNPDLVW 300
 241 LTLSLAYSEHQIRVSQDQRFLRFLFLNVSFFMSPITILILQNPDLVW 300
 QY 301 SLFFWWVAFTFANSALNPILYNTLCRNEWKKIKCCFWPEKGAILTDTSSVKRNDLIS 360
 301 SLFFWWVAFTFANSALNPILYNTLCRNEWKKIKCCFWPEKGAILTDTSSVKRNDLIS 360

RESULT 15
US-10-262-313-2

; Sequence 2, Application US/10262313

; Publication No. US20030129653A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBWY1B, EXPRESSED HIGH

; FILE REFERENCE: D0048 CIP

; CURRENT APPLICATION NUMBER: US/10/262,313

; PRIORITY FILING DATE: 2002-09-30

; PRIOR APPLICATION NUMBER: U.S. 09/992,331

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO: 2

; LENGTH: 360

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-262-313-2

Query Match 85.1%; Score 1576.5.; DB 4; Length 360;
 Best Local Similarity 85.6%; Pred. No. 8e-142; Matches 308; Conservative 19; Mismatches 32; Indels 1; Gaps 1;

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 1 MSPECAQTTGPGPSHTLDQNTRTHPPFSVKGHRHLVISUVERTVGLIFVUSLGNIC 60
 Db 61 ALVLVARRERRGASASLVLNLFCAFDLFTSAPIPLVLUVTEAMLLGPVCHLLFYWM 120
 61 ALVLVARRERRGASASLVLNLFCAFDLFTSAPIPLVLUVTEAMLLGPVCHLLFYWM 120
 Db 121 SGSVMTLAVSLAVSLERMVCVRLRGISGGRRTQALAFIMWSALALPVLFRV 180
 121 SGSVMTLAVSLAVSLERMVCVRLRGISGGRRTQALAFIMWSALALPVLFRV 180
 Db 121 SG-VTLTLAVSLERMVCVHLORGVRGRRARAVLALIYGSAVALPLCVFWRV 179
 121 SG-VTLTLAVSLERMVCVHLORGVRGRRARAVLALIYGSAVALPLCVFWRV 179
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 181 PORLPGDQPICTLDWPRIGETSDWVPEFLNPLVREGVGRGRRARAVLALIYGSAVALPLCVFWRV 240
 Db 180 PORLPGDQPICTLDWPRIGETSDWVPEFLNPLVREGVGRGRRARAVLALIYGSAVALPLCVFWRV 239
 QY 241 LTLSLAYSEHQIRVSQDQRFLRFLFLNVSFFMSPITILILQNPDLVW 300
 241 LTLSLAYSEHQIRVSQDQRFLRFLFLNVSFFMSPITILILQNPDLVW 300
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 240 LTVSILAYSSHSQHRSQDQRFLRFLFLNVSFFMSPITILILQNPDLVW 299
 QY 301 SLFFWWVAFTFANSALNPILYNTLCRNEWKKIKCCFWPEKGAILTDTSSVKRNDLIS 360
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ON protein - protein search, using sw model

Run on: December 5, 2005, 08:53:28 ; Search time 11 Seconds

Perfect score: 1853 ; Sequence 11 Seconds

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Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Maximum Match 100%
 Listing first 45 summaries

Database :

Published Applications AA_New:*

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- 2: /cgnd_6/prodata/2/pubpa/us06_NEW_PUB_pep:*
- 3: /cgnd_6/prodata/2/pubpa/us07_NEW_PUB_pep:*
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- 5: /cgnd_6/prodata/2/pubpa/RCT_NEW_PUB_pep:*
- 6: /cgnd_6/prodata/2/pubpa/us10_NEW_PUB_pep:*
- 7: /cgnd_6/prodata/2/pubpa/us11_NEW_PUB_pep:*
- 8: /cgnd_6/prodata/2/pubpa/us60_NEW_PUB_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	536	28.9	356	US-10-980-388-70
2	455	24.6	140	US-10-980-388-93
3	234.5	12.7	355	US-11-068-864
4	233	12.6	417	US-10-992-577-44
5	230.5	12.4	420	US-10-992-577-6
6	230.5	12.4	522	US-10-510-18-2
7	224	12.1	415	US-10-627-53-2
8	218.5	11.8	432	US-10-992-577-2
9	218	11.8	350	US-10-502-145-1
10	216	11.7	419	US-11-067-884-8
11	212.5	11.5	430	US-10-992-577-8
12	201	10.9	352	US-11-068-86-20
13	201	10.8	409	US-10-627-53-6
14	194	10.5	352	US-11-068-86-2
15	187.5	10.1	340	US-10-980-388-117
16	186.5	10.1	342	US-10-980-388-118
17	186.5	9.2	440	US-10-502-193-2
18	156.5	8.4	358	US-10-980-388-96
19	156.5	8.4	389	US-10-980-388-116
20	156.5	8.4	337	US-10-980-388-115
21	154.5	8.3	364	US-11-067-884-2
22	149	8.0	353	US-11-067-884-6
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25	139.5			

RESULT 1
 US-10-980-388-70
 ; Sequence 70, Application US/10980388
 ; Publication No. US20050255490A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Vogeli, Gabriel
 ; APPLICANT: Parodi, Luis A.
 ; APPLICANT: Hiebsch, Ronald R.
 ; APPLICANT: Lind, Peter
 ; APPLICANT: Kayres, Paul S.
 ; APPLICANT: Ruff, Valerie
 ; APPLICANT: Huff, Rita M.
 ; APPLICANT: Wood, Linda S.
 ; CURRENT FILING DATE: 2004-11-02
 ; PRIOR APPLICATION NUMBER: US/05/791,932
 ; FILE REFERENCE: 0325.US1
 ; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related App
 ; CURRENT FILING DATE: 2004-11-02
 ; PRIOR APPLICATION NUMBER: Novel G Protein-Coupled Receptors Cross-Reference To Related App
 ; PRIOR FILING DATE: 2001-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,305
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,303
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,397
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,247
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/188,880
 ; PRIOR FILING DATE: 2000-03-13
 ; PRIOR APPLICATION NUMBER: 60/217,369
 ; PRIOR FILING DATE: 2000-07-11
 ; PRIOR APPLICATION NUMBER: 60/217,370
 ; PRIOR FILING DATE: 2000-07-11
 ; PRIOR APPLICATION NUMBER: 60/218,492
 ; PRIOR FILING DATE: 2000-07-20
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 184
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 70
 ; LENGTH: 356
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-980-388-70
 ; Query Match Score: 28.9%; Score: 536; DB: 6; Length: 356;
 ; Best Local Similarity 73.2%; Pred. No. 3.7e-39;

Matches 109; Conservative 9; Mismatches 19; Indels 12; Gaps 3;
 Qy 69 RRGASASLVLNIFCADLTLFFTSALPVLVWRTBAWLIGPVVCHLFLYVMTMSGSVILIT 128
 Db 9 RRGRGATACLVNLFCADLTLFFTSALPVLVWRTBAWLIGPVVCHLFLYVMTMSGSVILIT 68
 Qy 129 LAAVSLERNVCIVRLRGGSQGRRTQALLAFI-PWGSALAAALPVLFRVWQRLLGGD 188
 Db 69 LAAVSLERNVCIVRLRGGSQGRRTQALLAFI-PWGSALAAALPVLFRVWQRLLGGD 128
 Qy 189 Q-EPICTUDWPNTI-----GEISWD 208
 Db 129 QVSAPLCV--PGRCPAQKRGDGSD 154

RESULT 2
 US-10-980-388-93
 ; Sequence 93, Application US/10980388
 ; Publication No. US20050255490A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Vogeli, Gabriel
 ; APPLICANT: Parodi, Luis A.
 ; APPLICANT: Hlebsch, Ronald R.
 ; APPLICANT: Lind, Peter
 ; APPLICANT: Kaytes, Paul S.
 ; APPLICANT: Ruff, Valerie
 ; APPLICANT: Huff, Rita M.
 ; APPLICANT: Wood, Linda S.
 ; TITLE OF INVENTION: Novel G Protein-Coupled Receptors Cross-Reference To Related Appl
 ; FILE REFERENCE: 00345.US1
 ; CURRENT APPLICATION NUMBER: US/10/980,388
 ; CURRENT FILING DATE: 2004-11-02
 ; PRIOR APPLICATION NUMBER: US/09/791,932
 ; PRIOR FILING DATE: 2001-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,305
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,247
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/188,380
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,397
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/184,247
 ; PRIOR FILING DATE: 2000-02-23
 ; PRIOR APPLICATION NUMBER: 60/188,380
 ; PRIOR FILING DATE: 2000-03-13
 ; PRIOR APPLICATION NUMBER: 60/217,369
 ; PRIOR FILING DATE: 2000-07-11
 ; PRIOR APPLICATION NUMBER: 60/217,370
 ; PRIOR FILING DATE: 2000-07-11
 ; PRIOR APPLICATION NUMBER: 60/218,492
 ; PRIOR FILING DATE: 2000-07-20
 ; REMAINING Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 184
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 93
 ; LENGTH: 140
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-980-388-93

Query Match 24.6%; Score 455, DB 6; Length 140;
 Best Local Similarity 94.7%; Pred. No. 1, le-32; Mismatches 1; Indels 0; Gaps 0;
 Matches 89; Conservative 4; Mismatches 1, Indels 0; Gaps 0;

Qy 232 QITQASRKELTLTSLAYSESRQIRVSQQDRFLRTFLVMSVFTMSLITITLILION 291
 Db 81 LFCADLTLFFTSALPVLVWRTBAWLIGPVVCHLFLYVMTMSGSVILIT 138
 Qy 76 LATSDLFLVTFLVWHLVVRGHNWFGHGMCKULSGFHTGYSEIFPIL--LTIDYL 133
 Db 16 YPDVGCLCEKADTRALMAQFVPPLYSIVLFTVQULGVNUVWMLIKRRLIMTNIVLN 75

Query Match 12.7%; Score 234.5; DB 7; Length 355;
 Best Local Similarity 26.7%; Pred. No. 1, le-13; Mismatches 91; Indels 61; Gaps 18;
 Matches 91; Conservative 61; Mismatches 120; Indels 69; Gaps 18;

Qy 27 FFSDV----KGDHRLMSVVEVVTLGLIFVVSLSLGN-VCALVLAVERRRRGASASLVLN 80
 Db 139 CIVRLRQLGSGRRTQALLAFI-PWGSALAAALPVLFRVWQRLLGGD 193
 Qy 134 ATIVHAVALR--ARTVTFGVITSIVTGLAVLAALPFRFYM-----EELFETL 182
 Db 194 CTLDWPNRIGEISWDVDFETLN---FLVPGLVIVVSYSKIQITKASKRKRITLAYS 248
 Db 183 CSALYPEP-TVSWR-HFTLMTIFCIVLFLVPLVMATCYTGIK-----TL---- 226

Qy 249 ESHOIRV-SQDYLRFRTFLVMSFRTMSPIITLILIONF-----RDLV 297
 Db 227 ---LRCPSKKVKAIRLFLVIMAVFFIWTWPNVAILSSYQSILGNDCSRKHDLV 282

Qy 238 IWSLFPMWVAFTFANSALNPPLYMLNFRNWRKICCCF 338
 Db 283 M---LVTEIA--YSHCMNPVIY--AVFGERFRKYLRHFP 316

Query Match 12.4%; Score 230.5; DB 6; Length 522;
 Best Local Similarity 23.8%; Pred. No. 5.3e-13; Matches 84; Conservative 70; Mismatches 144; Indels 55; Gaps 17;

Qy 15 HFLUDQNRHPPFSDVKGD-----HLVLSVETWVLGLITFVMSLIGNVAVLHARR 68
 Db 116 HPTIWNVNDRTRHHLYSDINTTYVNVYLHOPQVAIFIISYFLIFPLCMGNTVVCFIMRN 175

Qy 69 RRRGASALU-VNLFCAIDL-P-TSAIPLVLUVRWTEAMLLGPVCHLIFYWMMSGVTI 126
 Db 176 KHMVTVTULFLILNAISDNLGICPMLNAGPFGNTCKISGLVQGSIASV 235

Qy 127 LTIAAVSLERVCIVRLRRGGSGGR-----RTOALLAFTWGSALAAALPVLFRVUP 181
 Db 236 FTLVIAVADRFQCVY-----PPKPKLTIKTRFLVIMIWLAITMSPAVMHUQE 288

Qy 182 Q-----RLPGDDEPII--CTLDWPNR-IGELIDWDFETLNFLVPLVGIYVISYSKI--- 230
 Db 289 EKVYVRVLNSQNKTSPVWCREDPNQEMRKIVTFLVANI-YLAPISLIVMVGRGIS 347

Qy 231 --LQITKASKRKLTSLAYSESQIRVSQDYRLFRFLFLMSFFIMMSPITILLI 287
 Db 349 LFRRAVPTRGKN-----QEDWV-YSRKOKIKIQLMVLFLISWLPWTMMLIS 399

Qy 288 ---LIONFRQQ-DLVIWPSLFFFVAFTFANSALNPILYNNMSLFRNEWRKIF 334
 Db 400 DYADLSPNBLQINIVYF-FAHNL--AFGNSSVNPIY-GFPNFENFRRGF 446

RESULT 7
 US-10-627-633-2
 ; Sequence 2, Application US/10627633
 ; Publication No. US20050250720A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Charles
 ; APPLICANT: Brennan, John Charles
 ; APPLICANT: Hart, Kevin Anthony
 ; TITLE OF INVENTION: Novel Compound
 ; FILE REFERENCE: 51755-DJJPW
 ; CURRENT APPLICATION NUMBER: US/10/992-577
 ; PRIOR APPLICATION NUMBER: US/09/538, 036
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: 09/405, 558
 ; PRIOR FILING DATE: 1999-09-24
 ; PRIOR APPLICATION NUMBER: 09/255, 368
 ; PRIOR FILING DATE: 1999-02-22
 ; PRIOR APPLICATION NUMBER: 09/161, 113
 ; PRIOR FILING DATE: 1998-09-25
 ; NUMBER OF SEQ ID NOS: 71
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 432
 ; TYPE: PRT
 ; ORGANISM: Rattus norvegicus
 ; US-10-992-577-2

Query Match 12.1%; Score 224; DB 6; Length 415;
 Best Local Similarity 23.1%; Pred. No. 1.5e-12; Matches 80; Conservative 76; Mismatches 147; Indels 44; Gaps 14;

Qy 5 CAOTGPGSHTLDQNRHPPFSDVKGDPLVLSVETV-----LGIFVMSLGN----- 58
 Db 28 CTEPATPLSSQYLMSEBH-S-SMNSNQDTHVLLKGPGVATASIFFGLWLSISFGSL 85

Qy 59 VCALVLRARRRGASALU-VNLFCAIDL-P-TSAIPLVLUVRWTEAMLLGPVCHLIFYV 117
 Db 86 VC-LVHRSRTOSTINYFVMSMACADLISLIVASTPFVLIQFTGRWLTGATCKVRYF 144

Qy 118 MTMGSVUTLTAASLEMVCTVRLRGSGGRTO-ALLAFWGSALAAALPVLFR 176
 Db 145 OYLRPGVQIVVLSICIDRPFYV--YPLSKVSYREKAKMIAASWIFDAGFVTPVLPF 201

Qy 177 FRVVPQRFLPGDODIPICLTDWPMRIGEISWDVPEFLNFLVPGIVIVISKIQLI--- 233
 Db 202 Y-----GSNDSDHCNYFLPSSWECTAYTVHFLVGFVPSVLLFYQKVYIWR 252

RESULT 8
 US-10-992-577-2
 ; Sequence 2, Application US/10992577
 ; Publication No. US20050260687A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gerald, Christophe P.G.
 ; APPLICANT: Jones, Kenneth A.
 ; APPLICANT: Bonini, James A.
 ; APPLICANT: Borowsky, Beth E.
 ; APPLICANT: Craig, Douglas A.
 ; TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
 ; FILE REFERENCE: 51755-DJJPW
 ; CURRENT APPLICATION NUMBER: US/10/992-577
 ; PRIOR APPLICATION NUMBER: US/09/538, 036
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: 09/405, 558
 ; PRIOR FILING DATE: 1999-09-24
 ; PRIOR APPLICATION NUMBER: 09/255, 368
 ; PRIOR FILING DATE: 1999-02-22
 ; PRIOR APPLICATION NUMBER: 09/161, 113
 ; PRIOR FILING DATE: 1998-09-25
 ; NUMBER OF SEQ ID NOS: 71
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 432
 ; TYPE: PRT
 ; ORGANISM: Rattus norvegicus
 ; US-10-992-577-2

Query Match 11.8%; Score 218.5; DB 6; Length 432;
 Best Local Similarity 26.0%; Pred. No. 4.6e-12; Matches 83; Conservative 53; Mismatches 130; Indels 53; Gaps 14;

Qy 49 LIFVMSLGN-----VCAVLUVARRRRGASALU-VNLFCAIDL-P-TSAIPLVLUVRWTL 105
 Db 52 LITFLCNGNTLVCPIV-KNREMTWTNMFLNLAWSPLDVGLFCMPTTLVNLICWP 110

Qy 106 LGPVVCHLIFYWMSSSVTLIAASLERMVCIVR-----LRGLSGFORTQAL 158
 Db 111 FDATCHKNSGVLQGMSV/SASVFTLVAVERFCIVPFPREKULTLKRL-----FT 161

Qy 159 LAFWGSALAAALPVLFRVYPOR---LPGQDQEIPI--CTLDWPNR-IGELISWDVFF 211
 Db 162 IAVIWALALLIMCPASAVLTVTREHHFMDARNRSPLYSCEAMBBGMMKRYVTAFL 221

Qy 212 ETNFVFLVGLIVIVISKIQL-OITKASKRKLTSLAYSESQIRVSQDYRLFRFLM 270
 Db 222 AH-1YLVPLALIVMVYMLARKLQCAGPARDTEEAEGG--RTSRRARVHMLVVA 278

Qy 271 VSFPIIMMSPITILLI-----LIONFRQDVIWPSLFFWVVAFTFANSALNP 319
 Db 279 LFETLSPWLPWVLLIDYGESELQHLLSVAFPLAHW-----LAFFHSSANPI 329

Qy 320 LYNNSLFRNEWRKIFCCCF 338
 Db 330 IY-GYFNENFRRGFOAFA 346

RESULT 9
 US-10-02-145-1
 ; Sequence 1, Application US/10502145

Publication No. US20050244406A1

GENERAL INFORMATION:

APPLICANT: MACKAY, CHARLES REAVY

TITLE OF INVENTION: Anti-CSAR antibodies and uses thereof

FILE REFERENCE: RICE-032

CURRENT APPLICATION NUMBER: US10/502,145

PRIOR APPLICATION NUMBER: USSN 60/350,961

PRIOR FILING DATE: 2002-01-25

NUMBER OF SEQ ID NOS: 34

SOFTWARE: Patentin version 3.1

SEQ ID NO 1

LENGTH: 350

TYPE: PRT

ORGANISM: Homo sapiens

US-10-502-145-1

Query Match 11.7%; Score 216; DB 7; Length 419;

Best Local Similarity 23.4%; Pred. No. 7.2e-12;

Matches 83; Conservative 63; Mismatches 133; Indels 70; Gaps 12;

Qy 38 VLSVSVETTVGLIFVMSLIGNVCAVLVARRRRGASASLVLNFCADLLFTSA-PLVLU

Db 35 VPDILALVIAFWVFLGVIGNALVWVTAFAEAKTINAWFNLAVAPLSCALPIFT 94

Qy 98 -VWVTEAMWLGIVPUCHLAFYVMTNSGSVILTLAASLFRMVCVR-LRRGLSGPGR 154

Db 95 SIVOHHHHPFGGAACSLISLILMAYASILLATISADRFLVFKP1WCNFRGAGLAW 154

Qy 155 QANLAIFIWGSALALPVILFWRVUPQRLLPGDQEQIP--ICLUDMP-NRIGBISWDF 210

Db 155 TACAVV-WGLALIITPSF-LYRVV---REYYFPKVKLGVDYSHDKRERAVAV 205

Qy 211 PETINFLVPGLVIVVISYSKILQIT--KASKRKLTLSLAYSHEQIRVSQDYLFRFLF 267

Db 206 RUVLGFLPLUTICYFILLRWSRATRSKTL-----KVV 245

Qy 268 LUKVSSFFTMSPSII-TIILIONPRODLYWPSLFFFVWARTFANSALNPFLYNM-- 323

Db 246 AVVASFIFWLPQYVQTMGMSFLPPSPPTFLNKLDLSLCVSFAVINCINPFLVVAQO 305

Qy 324 -----SFRNEWRKIFCFFFFPKGAFTDTSVRNNDLSSIVS 361

Db 306 GFOGRRRLKSLPLSLRN-----VLTTEESVRESKSFTRS 338

RESULT 10

US-11-067-894-8

Publication No. US20050261252A1

GENERAL INFORMATION:

APPLICANT: Miller, Duane D.

APPLICANT: Tigray, Gabor

APPLICANT: Dalton, James T.

APPLICANT: Sardar, Vincent M.

APPLICANT: Elrod, Don B.

APPLICANT: Xu, Ruiping

APPLICANT: Baker, Daniel L.

APPLICANT: Wang, Dean

APPLICANT: Lillom, Karoly

APPLICANT: Fischer, David J.

APPLICANT: Virág, Tamás

APPLICANT: Nuber, Nora

TITLE OF INVENTION: LPA RECEPTOR AGONISTS AND ANTAGONISTS AND METHODS OF CURRENT APPLICATION NUMBER: US/11/067,894

CURRENT FILING DATE: 2005-02-28

PRIOR APPLICATION NUMBER: 60/190,370

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 09/811,838

PRIOR FILING DATE: 2001-03-19

NUMBER OF SEQ ID NOS: 26

SEQ ID NO 8

LENGTH: 430

TYPE: PRT

ORGANISM: Homo sapiens

US-10-992-577-8

Query Match 11.5%; Score 212.5; DB 6; Length 430;

Best Local Similarity 26.0%; Pred. No. 1.5e-11;

Matches 86; Conservative 55; Mismatches 139; Indels 51; Gaps 16;

Qy 35 HRLVLSSVETTVGLIFVMSLIGN--VCAVLVARRRRGGASASLVLNFCADLLFTSA 91

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 8

LENGTH: 419

TYPE: PRT

ORGANISM: Homo sapiens

US-11-067-884-8

Query Match 11.7%; Score 216; DB 7; Length 419;

Best Local Similarity 23.4%; Pred. No. 7.2e-12;

Matches 81; Conservative 54; Mismatches 145; Indels 66; Gaps 13;

Qy 20 WNRTHPPFDSDVKGDHRLVLSVETTVGLIFVMSLIGN-VCAVLVARRRRGGASASLVL 78

Db 61 VNSTAVPTPAFKSINLPLQIITSAIMIFLFLVFSFLGNLVCULMVYOKRAMRSAINLL 120

Qy 79 UNLFCADLIFTSA-IPLVLUWRWTEAMWLGIVPVVHH--ILFYVMMMSGSVTILTAVSL 134

Db 121 ASLAFADMLAVLNMPALVLTILTRWIGKFCRVSAMPFWLKVIEG--VAILLISI 177

Qy 135 ERMTCIVRURRGSGPGRTOAALAAFTGWSALALPVYLFRWVPPQLGPQEI-- 191

Db 178 DRFLIVQ-ROQKLNPR--AKVIALSVATSWFCVAFPLAV-----GNPDQIP 223

Qy 192 --PICTUDMPNRIGEISMDVFFETLNFLVPLGVIVVISYSKILQITKASRKRLTLSAYS 248

Db 224 SRAPOCVSFTNTGQVATVILISLISFFPPEVILYVSPMGILNTRHARL-----HS 278

Db 249 ESHOTRVSQOD-----YRLFRFTFLUMMSFFIMSPPIITILL 288

Qy 279 YPEGICLSQLSKLMSLRPQMSIDMGFKTRAFTTILLFALFVFCWAP--TTISL 335

Db 329 IQNFRQDLYWPSF--FWWVARTFANSALNPFLYNMSLFRNEWR 331

Db 336 VATFSKHFYQQHNFFEISTWLWLCYKLKSALNPFLY-----YWR 374

RESULT 11

US-10-992-577-8

Sequence 8, Application US/10992577

Publication No. US20050260687A1

GENERAL INFORMATION:

APPLICANT: Gerald, Christophe P.G.

APPLICANT: Jones, Kenneth A.

APPLICANT: Bonini, James A.

APPLICANT: Borowsky, Beth E.

APPLICANT: Craig, Douglas A.

TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors

TITLE OF INVENTION: And Uses Thereof

FILE REFERENCE: 57155-DJFW

CURRENT APPLICATION NUMBER: US/10/992,577

CURRENT FILING DATE: 2004-11-18

PRIOR APPLICATION NUMBER: US/09/538,036

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: 09/405,558

PRIOR FILING DATE: 1999-09-24

PRIOR APPLICATION NUMBER: 09/255,368

PRIOR FILING DATE: 1999-02-22

PRIOR APPLICATION NUMBER: 09/161,113

PRIOR FILING DATE: 1998-09-25

NUMBER OF SEQ ID NOS: 71

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 8

LENGTH: 430

TYPE: PRT

ORGANISM: Homo sapiens

US-10-992-577-8

Query Match 11.5%; Score 212.5; DB 6; Length 430;

Best Local Similarity 26.0%; Pred. No. 1.5e-11;

Matches 86; Conservative 55; Mismatches 139; Indels 51; Gaps 16;

Db 38 HISPVAAAMPIVAVALIFLICMVGNTLVCPIVL-KNRHMHITVNMFIILASDLVGLFC 96
 Qy 92 IPIVLVLRVWTEAMILGPVUCHLFYWMMSGS'TILTIAAVALSERMCIVR-----LR 144
 Db 97 MPT'LVDNUITGWPFDNAKOMSGLQVOGMSVSASVFLVIAVERFCIVHPREKLTR 156
 Qy 145 RGJSGPGRRTQAALLAFLPGYSAALAPLYLFRVNPOR---LPGGDQEIT--CTLDW 198
 Db 157 KAJ-----VTAIVLMLCIMCSAVTUTVTREHFMWDARNRSVPLYSMEAW 207
 Qy 199 PNR-IGETSWDVFETENFLVPLGSLVIVISYSKILQITKASRKRLTL---SAYSESHQIR 254
 Db 208 PEKGMRRTYVLESHI YLAPLAIIVMARI-----ARKCQAFOPAPGGEAADPR 260
 Qy 255 VSGOODYRLFRTEFLMVSPEPIMSPILITLITIONFQDQIVWPSL-FPMWVAFTA- 312
 Db 261 ASRRARVWMLVWALFETLSWLPWLWLLI--DYQO--LSAQOLHLVTWAFPFAH 315
 Qy 313 ---NSALNPILYNNMSLERNERWKIFCCFP 338
 Db 316 WLAFFNSSANPILY--GYFNENFRRGFCQAF 344

RESULT 12
 US-11-068-686-20
 ; Sequence 20, Application US/11068686
 ; GENERAL INFORMATION:
 ; APPLICANT: Gray, Patrick W.
 ; Report, Carol J.
 ; TITLE OF INVENTION: Chemokine Receptor Materials and Methods
 ; NUMBER OF SEQUENCES: 20
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 223 S. Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; ZIP: 60606

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/11/068, 686
 FILING DATE: 28-Feb-2005
 CLASSIFICATION: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Noland, Greta E.
 REGISTRATION NUMBER: 35, 302
 REFERENCE/DOCKET NUMBER: 27866/33670
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-473-6300
 TELEX/FAX: 312-474-0448
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 352 amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 20:
 US-11-068-686-20

Query Match 10.8%; Score 201; DB 6; Length 352;
 Best Local Similarity 23.1%; Pred. No. 1.1e-10;
 Matches 71; Conservative 65; Mismatches 126; Indels 38; Gaps 12;

Qy 48 GLIFVVSILGN--VCAJULVARRRGASAASLVLNCADLIFT-SIPLVLUWRMEAW 104
 Db 32 GALWLFSTFGNSLVC-LVTHRSRRTOITNVLYVSMACADLISVASTPFVVLQFTGRW 90
 Qy 105 LIGPVVCHLFLFYNTMCGSVTILAAVSLERNWCIVTRRGLSGPERRTQ-AALLAFTW 163
 Db 91 TLGSAMCKVRVRFQYLPGVQIVYLLSICIDRFTV--YPLSPKVSREKAMIAWS 147
 Qy 164 GVSALALMPALYLFRVVPQLGGDOPICLTDWPRIGEISWDVVFETUNFLVPLSVI 223
 Db 148 IIDDAFFVTFPFPY----GSNDOSHNCVFLPSSWEGRATVYHFLGVIPVLL 198
 Qy 224 VISYSKILQI---TKASRKRLTLSAYSESHQIRSQDQYRLFRFLIMVSFFIMMS 278
 Db 199 ILFVQKVIKYIWRIGTBGRTLRTMNTI-----VPRTKVTKVQFLNLFVPLSWL 249

Query Match 10.9%; Score 202; DB 7; Length 352;
 Best Local Similarity 23.1%; Pred. No. 9.4e-11; Length 352;
 Matches 83; Conservative 51; Mismatches 129; Indels 96; Gaps 16;

Qy 49 LIFVVSILGN-CALVVARRRGASAASLVLNCADLIFT-SIPLVLUWRMEAW 103
 Db 39 LVFPGFVGNLWVLLINCKRLKSMTDYLNLIAISDPLFLTVPP---WAHYAAQ 93

RESULT 14
 US-10-627-633-4
 ; Sequence 4, Application US/10627633

Db 104 WLGPVVCHEL--LFYVMTMSGSVLTILAAVSLERNWCIVTRRGLSGPGRTOAALLA 160
 Qy 94 WORGNTMCQQLRGFLYFGFEGIFFLIL---TIDRVLAITHAVAFALKARTVTFGVUTSV 150
 Db 161 FWGYSALALMPALYLFR-----VVPQRLPGGDOPICLTDWPRIGEISWDVFFE 212
 Qy 151 ITWVAVAFASLPGIIRRORSORGHLKTCSSHFRPHYSQOF----WGN-----FO 194
 Db 213 TLFNPLVGLVLI-----VISYSKILQITKASRKRLTLSAYSESHQIRSQDQYRLFRFL 267
 Db 195 TLKXVILGLVPLLVWVYCISGILK-----TLL-----RCKNEKGRHRAYLIF 238
 Qy 268 LJMVSFTIMWSIITILLIONF-----RQDLVWPSLFFWVVAFTFNSA 315
 Db 239 TIMIVYHLLWAPYNTIVILNTEOEFGLNQNCSSRNLDQAMQVETUL-----GMTHCC 291
 Qy 316 LNPILYNM--SLFNEWRKIF-----CCFFF---PKGA1FTDTSVRNDISV 358
 Db 292 INPIYAVGEKERVNLVFFQKHAKRFPCKCCSIFOQEAPEBRASSVYTRSGEQEISV 350

RESULT 13
 US-10-627-633-6
 ; Sequence 6, Application US/10627633
 Publication No. US20050250720A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Charles, Andrew David
 ; APPLICANT: Brennan, John Charles
 ; APPLICANT: Hart, Kevin Anthony
 ; TITLE OF INVENTION: Novel Compound
 FILE REFERENCE: 191-221
 CURRENT APPLICATION NUMBER: US/10/627, 633
 CURRENT FILING DATE: 2003-07-28
 PRIOR APPLICATION NUMBER: 09/1722, 342
 PRIOR FILING DATE: 2000-11-28
 PRIOR APPLICATION NUMBER: 60/172, 146
 PRIOR FILING DATE: 1998-12-17
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: Patentin version 3.2
 SEQ ID NO: 6
 LENGTH: 352
 TYPE: PRT
 ORGANISM: Rattus norvegicus
 US-10-627-633-6

Query Match 10.8%; Score 201; DB 6; Length 352;
 Best Local Similarity 23.1%; Pred. No. 1.1e-10;
 Matches 71; Conservative 65; Mismatches 126; Indels 38; Gaps 12;

Qy 48 GLIFVVSILGN--VCAJULVARRRGASAASLVLNCADLIFT-SIPLVLUWRMEAW 104
 Db 32 GALWLFSTFGNSLVC-LVTHRSRRTOITNVLYVSMACADLISVASTPFVVLQFTGRW 90
 Qy 105 LIGPVVCHLFLFYNTMCGSVTILAAVSLERNWCIVTRRGLSGPERRTQ-AALLAFTW 163
 Db 91 TLGSAMCKVRVRFQYLPGVQIVYLLSICIDRFTV--YPLSPKVSREKAMIAWS 147
 Qy 164 GVSALALMPALYLFRVVPQLGGDOPICLTDWPRIGEISWDVVFETUNFLVPLSVI 223
 Db 148 IIDDAFFVTFPFPY----GSNDOSHNCVFLPSSWEGRATVYHFLGVIPVLL 198
 Qy 224 VISYSKILQI---TKASRKRLTLSAYSESHQIRSQDQYRLFRFLIMVSFFIMMS 278
 Db 199 ILFVQKVIKYIWRIGTBGRTLRTMNTI-----VPRTKVTKVQFLNLFVPLSWL 249

Query Match 10.9%; Score 202; DB 7; Length 352;
 Best Local Similarity 23.1%; Pred. No. 9.4e-11; Length 352;
 Matches 83; Conservative 51; Mismatches 129; Indels 96; Gaps 16;

Qy 49 LIFVVSILGN-CALVVARRRGASAASLVLNCADLIFT-SIPLVLUWRMEAW 103
 Db 39 LVFPGFVGNLWVLLINCKRLKSMTDYLNLIAISDPLFLTVPP---WAHYAAQ 93

RESULT 14
 US-10-627-633-4
 ; Sequence 4, Application US/10627633

Publication No. US2005025070A1
GENERAL INFORMATION:
APPLICANT: Charles, Andrew David
APPLICANT: Bremand, John Charles
APPLICANT: Hart, Kevin Anthony
TITLE OF INVENTION: Novel Compound
FILE REFERENCE: 1991-221
CURRENT APPLICATION NUMBER: US10/627,633
CURRENT FILING DATE: 2003-07-28
PRIOR APPLICATION NUMBER: 09/722,342
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 60/172,146
PRIOR FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin version 3.2
SEQ ID NO: 4
LENGTH: 409
TYPE: PRT
ORGANISM: Mus musculus
US-10-627-633_4

Query Match Similarity 10.8%; Score 201; DB 6; Length 409;
Best Local Similarity 22.6%; Pred. No. 1.3e-10;
Matches 78; Conservative 74; Mismatches 153; Indels 40; Gaps 13;

Qy 5 CAQTRGPSPHTLDOVNRTHPFPSVKGDIRLVLWSVETMVL--GLIFVSLQCN--VC 60
Db 22 CAAEARALLPHGLMGHLHEHHSMSNRLTELQYELNPGEVATASIFFGALWLFISIFGNLVC 81

Qy 61 ALVJYABRRRGASSLVLNLNACDLFT-SAIPLVWVTEAMLIGPVCHLRYVT 119
Db 82 -LVHRSRRTOSTTNYFUVSMAcadLISVASTPFLVLOFTGRWLGSGACKVRYFOY 140

Qy 120 MSGSVILTVLAASVLSRMCVTLRRLGSGGRRTOA-ALIAFINGYSALJAALPVLFLR 178
Db 141 LTPGVQIYVVICIDRFVTV--YPLSFVRSREKAKTAASILDARVTFPFFY- 196

Qy 179 VVPQLUPGGDDEPICTLDWNRRIGBTSWDFPFTENFLPGLVVISVKILOT---- 233
Db 197 -----GSWDOSHONYFLPPSWEGTAYTVIHLVGFVIPSILILFYOKVVIWRIG 248

Qy 234 TKSASKRLTLSLAYSSESHQRVSQYRFLFVPMFSRIMSPILITLL-IQIG 292
Db 249 TDGTRLRRMTN-----VPRTKVTKVWMLNLUFLFSWLPFHVAOLWHPHEQY 299

Qy 293 RQDLVWPSLFFWWVAVTFPANSALNPLIYMM--SLERNEWRKIFC 335
Db 300 KKSSLUFTAV-TWV--SRSASSKPTLYSYNAFRRGKETFC 340

RESULT 15
US-11-068-686-2
; Sequence 2, Application US/11068686
; Publication No. US2005026065A1
GENERAL INFORMATION:
APPLICANT: Gray, Patrick W.
APPLICANT: Schneickart, Vicki L.
TITLE OF INVENTION: Chemokine Receptor Materials and Methods
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

Query Match Similarity 10.5%; Score 194; DB 7; Length 352;
Best Local Similarity 22.8%; Pred. No. 4.5e-10;
Matches 82; Conservative 52; Mismatches 129; Indels 96; Gaps 16;

Qy 49 LIVFVSLLGNCVA-LVLAASVRRRGASSLVLNLFNCAFDLFTSAIPPLVLUVRWT-----A 103
Db 39 LVFVFGFVGMLVLLNLINCKRLSMTDYLNLIAISDFFLFLTVF-----WAHYAAQ 93

Qy 104 WLGPVWCHL---LTYVMTMSGVTLTIAVSLBERRMVCTVLRRLGSGPGRRTQALLA 160
Db 94 WDFGNTWCQLTGYYFGFFSGIFFFFL---TDRYLAWHAVHAFALKARTVTGVNTSV 150

Qy 161 FIWGSALAMALPLYLTFRVPORL-----REGDOBPICTLDWPNNIGELSWDVFEE 212
Db 151 ITWVVAVFAASLPLGIITFRSOREGIALYTCSHFPYSQYOF-----WKN-----FQ 194

Qy 213 TINFVPGUVI-----VISVKIQLIKASKRKLTLISLAYSSESHQRVSQDYKLFRTLP 267
Db 195 TLKVIVLGLVULPLLUWVIVCGIILK-----TL-----RCRNNEKKHRRAVLIF 238

Qy 268 LLMVSFFIMWSPPLITLILLIONF-----RQDLVWPSLFFWWVAVTFPANS 315
Db 239 TIMIVFLFWAPNIVWLUUANTPQEFGLANCSSSNRLLDQAMQVTEL-----GMTHCC 291

Qy 316 LNPTLNMM--SLERNEWRKIF-----CCFF---PEKAIFTOTSVRNDSL 358
Db 292 INPIYAFVGEKFNYLLVFFQKHIAKRFCKCCSTQQEAPERASSVYTRSTGEOBISV 350

Search completed: December 5, 2005, 09:07:01
Job time : 12 secs

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QY 361 S 361
Db 361 S 361

RESULT 2

US-09-456-455A-4

; Sequence 4, Application US/09456455A

; Patent No. 6448005

;

GENERAL INFORMATION:

; APPLICANT: Glucksmann, Maria A.

; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor

; FILE REFERENCE: MNI-204C3

; CURRENT APPLICATION NUMBER: US/09/456, 455A

; CURRENT FILING DATE: 1999-12-08

; PRIORITY NUMBER: 09/107, 761

; PRIORITY FILING DATE: 1998-06-30

; PRIORITY FILING DATE: 1998-12-30

; NUMBER OF SEQ ID NOS: 15

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 4

; LENGTH: 361

; TYPE: PRT

; ORGANISM: Murine ortholog

; US-09-456-455A-4

Query Match Score 1853; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 8.2e-133; Mismatches 0; Indels 0; Gaps 0;
Matches 361; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSPRCAQTTGPGPSHTLDVNRTTFPFSVDVKGDHRLVLSVETTVLGLIFVSLGNVC 60
Db 1 MSPCRAAGDAPLRSLEQANRTRFPFSVDVKGDHRLVLAVENTVVLIFAVSLGNVC 60

QY 61 ALVIVARRRRRGASASLVNLFCADLFTSAPIPLVLRVTEAWLGLGPVCHLFYNTM 120
Db 61 ALVIVARRRRRGATACLYNLFCADLFTSAPIPLVLRVTEAWLGLGPVCHLFYNTM 120

QY 121 SGSTILTLAAVSLEMCIVRLRGSGGRQQALIAPTNGISALAAPLYLFLRVV 180
Db 121 SGSTILTLAAVSLEMCIVRLRGSGGRQQALIAPTNGISALAAPLYLFLRVV 180

QY 181 PORLPGDQBEISCTLILWPTIGEBSNDSFVTLNFLVGLPVCHLFYNTM 240
Db 181 PORLPGDQBEISCTLILWPTIGEBSNDSFVTLNFLVGLPVCHLFYNTM 240

QY 241 LTUSLAYSESHOIRVSODPYRFLTLLMSRPFIMSPITILLIONPRQDLYIWP 300
Db 241 LTUSLAYSESHOIRVSODPYRFLTLLMSRPFIMSPITILLIONPRQDLYIWP 300

QY 301 SLFFWWVAFTFANSALNPILYNNSLFNEWRKIFCCFPPEKGAIIDTSVRNDLVIS 360
Db 301 SLFFWWVAFTFANSALNPILYNNSLFNEWRKIFCCFPPEKGAIIDTSVRNDLVIS 360

RESULT 3

US-09-261-599B-1

; Sequence 1, Application US/09261599B

;

GENERAL INFORMATION:

; APPLICANT: Glucksmann, Maria A.

; TITLE OF INVENTION: 14273 Receptor, A No. 6448005el G-Protein Coupled Receptor

; FILE REFERENCE: MNI-204C3

; CURRENT APPLICATION NUMBER: US/09/456, 455A

; CURRENT FILING DATE: 1999-12-08

; PRIORITY NUMBER: 09/107, 761

; PRIORITY FILING DATE: 1998-06-30

; PRIORITY NUMBER: 09/223, 538

; PRIORITY FILING DATE: 1998-12-30

; PRIORITY FILING DATE: 1999-02-26

; PRIORITY NUMBER: 09/107, 761

; PRIORITY FILING DATE: 1998-06-30

; PRIORITY NUMBER: 09/107, 761

; LENGTH: 361

; TYPE: PRT

; ORGANISM: Homo sapiens

; US-09-456-455A-1

Query Match Score 1591; DB 2; Length 361;
Best Local Similarity 85.8%; Pred. No. 1.2e-118; Mismatches 19; Indels 0; Gaps 0;
Matches 309; Conservative 19; Mismatches 32; Indels 0; Gaps 0;

QY 1 MSPRCAQTTGPGPSHTLDVNRTTFPFSVDVKGDHRLVLSVETTVLGLIFVSLGNVC 60
Db 1 MSPCRAAGDAPLRSLEQANRTRFPFSVDVKGDHRLVLAVENTVVLIFAVSLGNVC 60

QY 61 ALVIVARRRRRGASASLVNLFCADLFTSAPIPLVLRVTEAWLGLGPVCHLFYNTM 120
Db 61 ALVIVARRRRRGATACLYNLFCADLFTSAPIPLVLRVTEAWLGLGPVCHLFYNTM 120

RESULT 5
US-09-261-599B-7
; Sequence 7, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877 G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 035800/177086
; CURRENT APPLICATION NUMBER: US/09/261,599B
; CURRENT FILING DATE: 1999-02-26
; PRIORITY FILING DATE: 1998-06-30
; PRIORITY APPLICATION NUMBER: 09/107,761
; PRIORITY FILING DATE: 1998-06-30
; PRIORITY FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: mature polypeptide of 14273m

Query Match 82.7%; Score 153; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 2.1e-13; Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 62 LVLVARRRRRGASASLVLNLFCAIDLFTSAIPLVLUVRWTEAMLIGPVVCHLAFYVMTMS 121
Db 1 LVLVARRRRRGATACVLVLNFCAIDLFTSAIPLVLUVRWTEAMLIGPVVCHLAFYVMTMS 121
Qy 122 GSVTILTLAUSLERNMVCVRLRGLSGGRRTORALLAFTIWGSALAMALPLYLFRVWP 181
Db 61 GSVTILTLAUSLERNMVCVRLRGLSGGRRTORALLAFTIWGSALAMALPLYLFRVWP 120
Qy 182 QRLPGGDQPICTLDWPRIGETSWDVFETPLFLVPLGVLTIVSKILQITKASRKL 241
Db 121 QRLPGGDQPICTLDWPRIGETSWDVFETPLFLVPLGVLTIVSKILQITKASRKL 180
Qy 242 TLSLAYSESHOIRVSQDYLFRFLFLLAVSFIMSPITITILLIONPRODVINPS 301
Db 181 TLSLAYSESHOIRVSQDYLFRFLFLLAVSFIMSPITITILLIONPRODVINPS 240
Qy 302 LFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCFCFPPEKGAIPTDSVRNDLVISS 360
Db 241 LFFWWVAFTFANSALNPILYNNMSLFRNEWRKIFCFCFPPEKGAIPTDSVRNDLVISS 300

RESULT 6
US-09-261-599B-6
; Sequence 6, Application US/09261599B
; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Gluckemann, Maria A.

RESULT 7
US-08-513-974B-46
; Sequence 46, Application US/08513974B
; Patent No. 611439
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukubumi, Shoji
; APPLICANT: Ohgi Kazuhiro
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-08-513-974B-46

Query Match 16.7%; Score 310, DB 2, Length 348,
Best Local Similarity 28.7%; Pred. No. 1,3e-20;
Matches 94; Conservative 56; Mismatches 149; Indels 28; Gaps 8;

OY 38 VLSVETTVLGLFLVVSLLGVNCALVLVARR--RRGAGSASLYVNLFACDILP-TAIP 93
Db 31 VENPITLVFGFLIFAMGVIGVNLGVNSVLTIVLARKPCKPRSTINFLNLSIADIALYLFICP 90
OY 94 LVLVVRWTRWAWLGPGVUHFLFYNTMMSGSVTTLAASLERNVCTVRLRRLSGRGR 153
Db 91 FOATVYALPTTWLCAFICKFTHFTVSLVSLTAAAMSVDRAVATVHSRRESSLRVSR 150
QY 154 TQALLAFTWGYSLAALPLYLFLRVPPQLPGCDQEPICTLDMPNRIGEISWDVFET 213
Db 151 NALLGVGFVIALSIAMASPV---AYHORLFRHDNSOTFCFWSCWPNKHKKAHVVCFTV 205
OY 214 LNFLVPLGLVIVISVSKIQLQTAKRKRLLTISLAYSESHOIRVAQODYRLPTFLWMSF 273
Db 206 FGVMLPLLICFCYAKVNLHKKLKNMSKK--SEASKKTAQ----TVLVVVVF 255
OY 274 FIMSPPIITLTILLIONPRQDLVPSLFWVW---AFTFANSALNPFLYNN--SLFRN 328
Db 256 GISMLPHHVWHLWAEFGA---DUTPASFFRITAHCLAYSNSVNPIYAFLENTRK 311

RESULT 8
US-08-513-974B-342
Sequence 342, Application US/08513974B
; Sequence 342, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Horoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Onaka, Tetsuya
; APPLICANT: Fukasumi, Shotai
; APPLICANT: Ohgi, Kazuhiko
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
COMPUTER READABLE FORM:
; COMPUTER TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #11.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-523-3400
 TELEFAX: 617-523-6440
 INFORMATION FOR SEQ ID NO: 342:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-513-9748-342.

Query Match Local Similarity 16.7%; Score 310; DB 2; Length 348;

Matches 94; Conservative 28.7%; Pred. No. 1.3e-20; Mismatches 149; Indels 28; Gaps 8;

Qy 38 VLSVVEETVGLIFIVSLSLGNVCAVLVARR--RRGASASLVLNLFCDLFL-TSAIP 93

Db 31 VENFTLVVGLIFAMGVGLGNSLVTVLARKSKPGNPQRSTNLFLNLSIADLAYLFCIP 90

Qy 94 LVLVRWTEAMLGPGVCHLFLYVMTMSGSVTILTLAANSLERMCIVRLRGLSGPGR 153

Db 91 FOATVYALPPWVLGARICKTHYFTVMSVMSLAAVMSDRAVIAVSRSSLRVER 150

Qy 154 TQALLAFLTGCGSALAALPMLYLFRVVPORLPGQDEBIPCTLDWPNRIGEBISMDVFFET 213

Db 151 NALLGVGFIALSITAMASPV---AYHORLFHDNSQTFCWEQWPNKLUHKAYVCTFV 205

Qy 214 LNFLVPGVGLVVISVSKIQLTKASRKLTSLAVSESHQIRVSQDYRFLRTLLMVSF 273

Db 206 PGYLLPLLICFCYAKVLNLHKKLKNMRK--SEASKKTAQ-----TVLVVVVVF 255

Qy 274 FIMSPPLITILLIQNPRDLVWPSLFPWV--AFTFANSALNPILYNM--SLFRN 328

Db 256 GISWLPHPHVWLWAERGAF---PLTPASPFERRITAHCLAYNSNNVNPIYAFLENFRK 311

Qy 329 EWRKIFCCFPPEKGAIIFTDSVRND 355

Db 312 AYKQVFKCHVCDESPrSETKENKSMD 338

RESULT 9
 US-08-993-088A-10

; Sequence 10: Application US/08933088A
 Patent No. 6287855

GENERAL INFORMATION:

APPLICANT: Tan, Carina

APPLICANT: Sullivan, Kathleen

TITLE OF INVENTION: GALANIN RECEPTOR GALR2 AND

NUMBER OF SEQUENCES: 20
 TITLE OF INVENTION: NUCLEOTIDES ENCODING SAME
 NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows

SOFTWARE: FastSEQ for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/993, 088A
 FILING DATE: 18-DEC-1997
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/033, 851
 FILING DATE: 27-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Heber, Sheldon O.
 REGISTRATION NUMBER: 38,179
 REFERENCE/DOCKET NUMBER: 19846
 TELECOMMUNICATION INFORMATION:

TELEPHONE: 732-594-1958
 TELEFAX: 732-594-4720
 TELEX:
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-993-088A-10

Query Match Local Similarity 16.7%; Score 310; DB 2; Length 348;

Matches 94; Conservative 28.7%; Pred. No. 1.3e-20; Mismatches 149; Indels 28; Gaps 8;

Qy 38 VLSVVEETVGLIFIVSLSLGNVCAVLVARR--RRGASASLVLNLFCDLFL-TSAIP 93

Db 31 VENFTLVVGLIFAMGVGLGNSLVTVLARKSKPGNPQRSTNLFLNLSIADLAYLFCIP 90

Qy 94 LVLVRWTEAMLGPGVCHLFLYVMTMSGSVTILTLAANSLERMCIVRLRGLSGPGR 153

Db 91 FOATVYALPPWVLGARICKTHYFTVMSVMSLAAVMSDRAVIAVSRSSLRVER 150

Qy 154 TQALLAFLTGCGSALAALPMLYLFRVVPORLPGQDEBIPCTLDWPNRIGEBISMDVFFET 213

Db 151 NALLGVGFIALSITAMASPV---AYHORLFHDNSQTFCWEQWPNKLUHKAYVCTFV 205

Qy 214 LNFLVPGVGLVVISVSKIQLTKASRKLTSLAVSESHQIRVSQDYRFLRTLLMVSF 273

Db 206 PGYLLPLLICFCYAKVLNLHKKLKNMRK--SEASKKTAQ-----TVLVVVVVF 255

Qy 274 FIMSPPLITILLIQNPRDLVWPSLFPWV--AFTFANSALNPILYNM--SLFRN 328

Db 256 GISWLPHPHVWLWAERGAF---PLTPASPFERRITAHCLEYNSNNVNPIYAFLENFRK 311

Qy 329 EWRKIFCCFPPEKGAIIFTDSVRND 355

Db 312 AYKQVFKCHVCDESPrSETKENKSMD 338

RESULT 10
 US-08-993-424B-10

; Sequence 10: Application US/08993424B
 Patent No. 6337206

GENERAL INFORMATION:

APPLICANT: Tan, Carina

APPLICANT: Kolakowski, Lee F., Jr.

TITLE OF INVENTION: MOUSE GALANIN RECEPTOR GALR2 AND

NUMBER OF SEQUENCES: 18
 TITLE OF INVENTION: NUCLEOTIDES ENCODING SAME
 NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.

STREET: P.O. Box 2000, 126 E. Lincoln Ave.

CITY: Rahway
 STATE: NJ
 COUNTRY: USA
 ZIP: 07065-0900

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows

SOFTWARE: FastSEQ for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/993, 424B

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/033, 851
 FILING DATE: 27-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Heber, Sheldon O.
 REGISTRATION NUMBER: 38,179
 REFERENCE/DOCKET NUMBER: 19846
 TELECOMMUNICATION INFORMATION:

REFERENCE/DOCKET NUMBER: 19846NP2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 722-594-1958

TELEFAX: 732-594-4720

TELEX:

SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-993-424B-10

Query Match 16.7%; Score 310; DB 2; Length 348;

Best Local Similarity 28.7%; Pred. No. 1.3e-20;

Mismatches 94; Conservative 56; Indels 28; Gaps 8;

QY 38 VLSVETTIVLGLIVSISLGNVCALVYARR--RRRGASASLVLNLFCAIDLIF-TS1P 93

Db 31 VENITLVVGLIFAMSVLGNLIVTILARSKEPKPRSTINFLNISIADLAYLLRCIP 90

QY 94 LVLVVRWTEAMLGPVVCILFLFYNTMSSGSSVTLAASLERNVCIVRLRGLSGPQR 153

Db 91 FQATVVALPTWVLGAFIGCIEKHYFTVSMSLIFTIAMSVDRYVATHRSRSSLRVR 150

QY 154 TQALLAFLAFWGYSLALAPLXLYLFRVVPORLGQDQEIPCTLDWPNRIGETSDWDVFET 213

Db 151 NALIGVGFIWALSJAMASPV----AYHORLFRHDSNOTFCWEOPNKLHKKAYVVCFTV 205

QY 214 LNLFVPGIVIVISYSKLIQITASKRKRLTLSLAYSHEQIRVSQDYLFRFLFLWVSP 273

Db 206 FGYLPLPLICFCYAKVLNLHKLNMSKK--SEASKKTAQ-----TVLUVVVVF 255

QY 274 FIMWSPITITLILIONRQDLVWPSLFWVV--AFTFANSALNPLLYNM--SLFRN 328

Db 329 EWRKIFCCFPPEPKGAIFTDTSVRND 355

Db 312 AYKQVKFKCHVCDESPPSETKENKSMD 338

RESULT 11
US-08-540-650B-2

; Sequence 2, Application US/08540650B

; Patent No. 639925

; GENERAL INFORMATION:

; APPLICANT: HINUMA, Shuji

; APPLICANT: FUJII, Ryo

; APPLICANT: OHTAKI, Shoji

; APPLICANT: HOSOKI, Masaki

; APPLICANT: ORGI, Kazuhiko

; APPLICANT: ONDA, Haruo

; TITLE OF INVENTION: GALANIN RECEPTOR PROTEIN, PRODUCTION AND USE THEREOF

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN

; STREET: 130 WATER STREET

; CITY: BOSTON

; STATE: MA

; COUNTRY: US

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/540,650B
; FILING DATE: 11-OCT-1995
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 7-134412

FILING DATE: 31-MAY-1995

APPLICATION NUMBER: 6-326610

FILING DATE: 28-DEC-1994

APPLICATION NUMBER: 6-347599

ATTORNEY//AGENT INFORMATION:

NAME: RESNICK, DAVID S

REGISTRATION NUMBER: 34,235

REFERENCE/DOCKET NUMBER: 45501

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-523-3400

TELEFAX: 617-523-6440

SEQUENCE CHARACTERISTICS:

LENGTH: 348

TYPE: Amino acid

TOPOLGY: Linear

MOLECULE TYPE: Peptide

US-08-540-650B-2

Query Match 16.7%; Score 310; DB 2; Length 348;

Best Local Similarity 28.7%; Pred. No. 1.3e-20;

Mismatches 94; Conservative 56; Indels 28; Gaps 8;

QY 94 LVLVVRWTEAMLGPVVCILFLFYNTMSSGSSVTLAASLERNVCIVRLRGLSGPQR 153

Db 91 FQATVVALPTWVLGAFIGCIEKHYFTVSMSLIFTIAMSVDRYVATHRSRSSLRVR 150

QY 154 TQALLAFLAFWGYSLALAPLXLYLFRVVPORLGQDQEIPCTLDWPNRIGETSDWDVFET 213

Db 31 VENITLVVGLIFAMSVLGNLIVTILARSKEPKPRSTINFLNISIADLAYLLRCIP 90

QY 214 LNLFVPGIVIVISYSKLIQITASKRKRLTLSLAYSHEQIRVSQDYLFRFLFLWVSP 273

Db 206 FGYLPLPLICFCYAKVLNLHKLNMSKK--SEASKKTAQ-----TVLUVVVVF 255

QY 274 FIMWSPITITLILIONRQDLVWPSLFWVV--AFTFANSALNPLLYNM--SLFRN 328

Db 329 EWRKIFCCFPPEPKGAIFTDTSVRND 355

Db 312 AYKQVKFKCHVCDESPPSETKENKSMD 338

RESULT 12
US-09-555-549-5

; Sequence 5, Application US/0955549

; Patent No. 6511827

; GENERAL INFORMATION:

; APPLICANT: Howard, Andrew D.

; APPLICANT: Ceserici, Margaret A.

; APPLICANT: Smith, Roy G.

; APPLICANT: Sullivan, Kathleen A.

; APPLICANT: Tan, Carina

; APPLICANT: Van der Ploeg, Leonardus H. T.

; APPLICANT: Lynch, Kevin R.

; TITLE OF INVENTION: GALANIN RECEPTOR GALR3 AND NUCLEOTIDES

; TITLE OF INVENTION: ENCODING SAME

; FILE REFERENCE: 20148PCA

; CURRENT APPLICATION NUMBER: US/09/595,549

; CURRENT FILING DATE: 2000-06-16

; PRIOR APPLICATION NUMBER: US98/26812

; PRIOR FILING DATE: 1998-12-17

; PRIOR APPLICATION NUMBER: 6/0/069,725

; PRIOR FILING DATE: 1997-12-17

; NUMBER OF SEQ ID NOS: 16

RESULT 15

JJS-08-900-230-5

Sequence 5, Application US/08900238

Patent No. 63

GENERAL INFORMATION:

APPENDIX B
APPLICANT: Jonathan A. Bard

Db 241 CCTGGACCAAGTCATGCCACACTCCCTCTCTGGGATGTCAGTAAATAATT 300
 Qy 301 GGTGGTTGAGCTGCTGAGACCGCTTGGAATCTCTGGCTCATCTGCTACTGC 360
 Db 301 GGTTGGTTGAGCTGCTGAGACCGCTTGGAATCTCTGGCTCATCTGCTACTGC 360
 Qy 361 TGGCAACGTTGTTGCTTAATCTGGGAGGGGGGGGGGGGGGGGGGGGGGGGG 420
 Db 361 TGGCAACGTTGTTGCTTAATCTGGGAGGGGGGGGGGGGGGGGGGGGGGGGG 420
 Qy 421 GCCTGGCTCAAACCTCTCTGGGGATTGTCCTCACAGGGCATCCTCTAGTC 480
 Db 421 GCCTGGCTCAAACCTCTCTGGGGATTGTCCTCACAGGGCATCCTCTAGTC 480
 Qy 481 TCTCTGCTGCTGACTGAGCTGGCTTGCTGAGCTGCTGCTGCTGCTGCTGCT 540
 Db 481 TCTCTGCTGCTGACTGAGCTGGCTTGCTGAGCTGCTGCTGCTGCTGCTGCT 540
 Qy 541 ACTGATGACATGAGGGGAGCGCTGAGCTGCTGCTGCTGCTGCTGCTGCT 540
 Db 541 ACTGATGACATGAGGGGAGCGCTGAGCTGCTGCTGCTGCTGCTGCTGCT 540
 Qy 601 GCATGGTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
 Db 601 GCATGGTGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
 Qy 661 CGCCACTGCTGGCTTCATAATGGGTACTCGCGCTCGCGCTACACTCT 720
 Db 661 CGCCACTGCTGGCTTCATAATGGGTACTCGCGCTCGCGCTACACTCT 720
 Qy 721 TGTCCCGCTGGTCCAGCGCTCCGGGGGAGGAAATTCGATTGACAT 780
 Db 721 TGTCCCGCTGGTCCAGCGCTCCGGGGGAGGAAATTCGATTGACAT 780
 Qy 781 TGGATTGCCAACGGCATAGGAATACTATGGATGTTGAGCTTGACT 840
 Db 781 TGGATTGCCAACGGCATAGGAATACTATGGATGTTGAGCTTGACT 840
 Qy 841 TCTCTGGTGGGGACTGGTCTATGATCAGATCAGAAG 900
 Db 841 TCTCTGGTGGGGACTGGTCTATGATCAGATCAGAAG 900
 Qy 901 CATCGCGAAGGGCTTACGCTGAGCTGGCATACTCTGAGCCACAGTCGAGCT 960
 Db 901 CATCGCGAAGGGCTTACGCTGAGCTGGCATACTCTGAGCCACAGTCGAGCT 960
 Qy 961 CCCAACANGACTACCGACTTCGAGCTCTCCCTCATGGTTCCCTCATCA 1020
 Db 961 CCCAACANGACTACCGACTTCGAGCTCTCCCTCATGGTTCCCTCATCA 1020
 Qy 1021 TGTGGAGTCCATCATCATCACCATCCCTCATCTGATCCAACACTCCCGCAGACC 1080
 Db 1021 TGTGGAGTCCATCATCATCACCATCCCTCATCTGATCCAACACTCCCGCAGACC 1080
 Qy 1081 TGGTCACTTGCCATCCCTTCTCTGGTGGGGACTCTGCC 1140
 Db 1081 TGGTCACTTGCCATCCCTTCTCTGGTGGGGACTCTGCC 1140
 Qy 1141 TAACCCATACGTACACATCTGCTGCTGAGCTGAGGGAGGTTTGT 1200
 Db 1141 TAACCCATACGTACACATCTGCTGCTGAGCTGAGGGAGGTTTGT 1200
 Qy 1201 GCTCTTTTCCAGAGGGGAGGATTTACAGATAGTGTGTCAGGGAAATGACT 1260
 Db 1201 GCTCTTTTCCAGAGGGGAGGATTTACAGATAGTGTGTCAGGGAAATGACT 1260
 Qy 1261 TGGTGTGTTACGCTGAGCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1320
 Db 1261 TGGTGTGTTACGCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1320
 Qy 1321 GGGAGTTACTCAAGGAAGGCCACAGTGCCCCCTTAAATACCGACTTCA 1380
 Db 1321 GGGAGTTACTCAAGGAAGGCCACAGTGCCCCCTTAAATACCGACTTCA 1380

RESULT 2
 US-10-077-698-5
 ; Sequence 5, Application US/10077698
 ; Publication No. US20030008350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GLUCKBACH, Maria A.
 ; TITLE OF INVENTION: 1473 Receptor, A No. US20030008350A1 G-Protein Coupled Recept.
 ; FILE REFERENCE: 5800-4B 035800/177066
 ; CURRENT APPLICATION NUMBER: US/10/077-698
 ; CURRENT FILING DATE: 2002-02-13
 ; PRIORITY NUMBER: 09/261,599
 ; PRIORITY FILING DATE: 1999-02-26
 ; PRIORITY NUMBER: 09/107,761
 ; PRIORITY FILING DATE: 1998-06-30
 ; PRIORITY NUMBER: 09/223,538
 ; PRIORITY FILING DATE: 1998-12-30
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: Patentin Ver. 2.1
 ; SEQ ID NO: 5
 ; LENGTH: 1560
 ; TYPE: DNA
 ; ORGANISM: Marine ortholog
 US-10-077-698-5

Query Match 100.0%; Score 1560; DB 5; Length 1560;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGAAGCTCGCTGAGCTGGCTCTCCACTGCAATCAGAGGGGTCAGGGTC 60	Db 1 TTGCGAAGCTCGCTGAGCTGGCTCTCCACTGCAATCAGAGGGGTCAGGGTC 60
Qy 61 TTACACCATGACACTCCAGCTTGGGGCTTACCGAATCTCAGGGGTTATGGAGTC 120	Db 61 TTACACCATGACACTCCAGCTTGGGGCTTACCGAATCTCAGGGGTTATGGAGTC 120
Qy 121 TGTGGAGTCCATCATCATCACCATCCCTCATCTGATCCAACACTCCCGCAGACC 180	Db 121 TGTGGAGTCCATCATCATCACCATCCCTCATCTGATCCAACACTCCCGCAGACC 180
Qy 181 GCGGGGGCCGCGATCTCCCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 240	Db 181 GCGGGGGCCGCGATCTCCCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 240
Qy 241 CCTGGACCAAGCTCACTGACCCACTTCCCTTCTCTGAGATGAGGGGGGGGG 300	Db 241 CCTGGACCAAGCTCACTGACCCACTTCCCTTCTCTGAGATGAGGGGGGGGG 300
Qy 301 GGTGGGTTGAGCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 360	Db 301 GGTGGGTTGAGCTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 360
Qy 361 TGGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420	Db 361 TGGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
Qy 421 GCTGGGCTCAACTCTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 480	Db 421 GCTGGGCTCAACTCTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 480

Db 661 CGACACTCTGGCTTCAATGGGTTACTCGGGCTGCCGTGCCCTTACACT 720
 ; PRIORITY FILING DATE: 1998-12-30
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: Patentin Ver. 2.1
 Qy 721 TGTTCGGTGGTCCGGAGGAGCTCCGGAGGAGCTCCGGGGGGAGGAAATTGCGATTGCACT 780
 ; SEQ ID NO: 5
 ; LENGTH: 1560
 Db 721 TGTTCGGTGGTCCGGAGGAGCTCCGGGGGGAGGAGCTCCGGGGGGAGGAAATTGCGATTGCACT 780
 ; TYPE: DNA

; ORGANISM: Murine ortholog
 US-10-075-987-5
 Query Match 100%; Score 1560; DB 6; Length 1560;
 Best Local Similarity 100%; Pred. No. 0;
 Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Db 841 TCCGGTGGCCAACCGCATAGGAGAATCTATGGATGTGTTTGAGACTTGACT 840
 ; SEQ ID NO: 4
 Qy 841 TCCGGTGGCCAACCGCATAGGAGAATCTATGGATGTGTTTGAGACTTGACT 840
 ; LENGTH: 1560
 Db 901 CATCGGGAGAGGAGCTTACGGTGAAGCTGAGTACTCCAAAATTACAGATCACGAAG 900
 ;
 Qy 901 CATCGGGAGAGGAGCTTACGGTGAAGCTGAGTACTCCAAAATTACAGATCACGAAG 900
 ;
 Db 961 CCCRACAAAGACTACCGACTCTCCGCACGCCCTCCCTCATGGTTCCTCATCA 900
 ;
 Qy 961 CCCRACAAAGACTACCGACTCTCCGCACGCCCTCCCTCATGGTTCCTCATCA 900
 ;
 Db 961 CCCRACAAAGACTACCGACTCTCCGCACGCCCTCCCTCATGGTTCCTCATCA 900
 ;
 Qy 1021 TGTGGAGTCCATCATCATCACCACATCCCTCCATCTGATCCAAACTCCGGAGAC 1080
 ;
 Db 951 CCCRACAAAGACTACCGACTCTCCGCACGCCCTCCCTCATGGTTCCTCATCA 1020
 ;
 Qy 1080 CCCRACAAAGACTACCGACTCTCCGCACGCCCTCCCTCATGGTTCCTCATCA 1020
 ;
 Db 1081 TGGTACATCGCCATCCCTTCTCTCTGGGGGGCTTACGGTGGCCCTTACAGTTCCTGC 1140
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 Qy 1140 TGGTACATCGCCATCCCTTCTCTCTGGGGGGCTTACGGTGGCCCTTACAGTTCCTGC 1140
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 Db 1141 TAACCCCCATACTCTACACATGGCGCTTACGAACTGGGAGGAGGAGCTTAC 1200
 ;
 Qy 1141 TAACCCCCATACTCTACACATGGCGCTTACGAACTGGGAGGAGGAGCTTAC 1200
 ;
 Db 1201 GCTCTTTTTCAGAGAGGGACCATTTACAGATACTGGCTCTGGAGGAAATGCT 1260
 ;
 Qy 1260 GCTCTTTTTCAGAGAGGGACCATTTACAGATACTGGCTCTGGAGGAAATGCT 1260
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 Db 1261 TGGTGTGTTTCAGCTTACCTGGCTCTGGAGGACCATCCGGCTCTGGAGGAAATGCT 1320
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 Qy 1320 TGGTGTGTTTCAGCTTACCTGGCTCTGGAGGACCATCCGGCTCTGGAGGAAATGCT 1320
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 Db 1261 TGGTGTGTTTCAGCTTACCTGGCTCTGGAGGACCATCCGGCTCTGGAGGAAATGCT 1320
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 Qy 1321 GGGAGTTACTCAGGAGGCCAACCTGGCTCTTAAATACCCACTTCA 1380
 ;
 Db 1380 GGGAGTTACTCAGGAGGCCAACCTGGCTCTTAAATACCCACTTCA 1380
 ;
 Qy 1380 GGGAGTTACTCAGGAGGCCAACCTGGCTCTTAAATACCCACTTCA 1380
 ;
 Db 1381 ACAGCAGGACTTACGGAGCCAGGAATTAGGATGATGCTCAGATAAAATTT 1440
 ;
 Qy 1440 ACAGCAGGACTTACGGAGCCAGGAATTAGGATGATGCTCAGATAAAATTT 1440
 ;
 Db 1441 TCCCTAAAGAACCTCTATGGGTCTCTTGACTTTTAAGTGTGTTGAAAT 1500
 ;
 Qy 1500 TCCCTAAAGAACCTCTATGGGTCTCTTGACTTTTAAGTGTGTTGAAAT 1500
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 Db 1501 GATCTAGTTATAATTATTATACTGGTCTACAAAAAAAGAAAAAA 1560
 ;
 Qy 1560 GATCTAGTTATAATTATTATACTGGTCTACAAAAAAAGAAAAAA 1560
 ;
 Db 1501 GATCTAGTTATAATTATTATACTGGTCTACAAAAAAAGAAAAAA 1560
 ;
 ;
 RESULT 4

US-10-075-987-5
 ; Sequence 5, Application US/10075-987
 ; Publication No. US20030166061A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gluckmann, Maria A.
 ; TITLE OF INVENTION: 14273 Receptor, A No. US20030166061A1 G-Protein Coupled Recepto
 ; FILE REFERENCE: 5800-4B, 03800/17086
 ; CURRENT APPLICATION NUMBER: US/10/075, 987
 ; CURRENT FILING DATE: 2002-02-13
 ; PRIOR APPLICATION NUMBER: US/09/261, 599B
 ; PRIOR FILING DATE: 1999-02-26
 ; PRIOR APPLICATION NUMBER: 09/223, 538

Query Match 69.6%; Score 1086; DB 5; Length 1086;
 Best local similarity 100.0%; Pred. No. 9 4e-282; Length 1086;
 Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 901 CATCCGGAGAGGTTACGTGACTTGCATACCTGAGGCCAGATCGGAGT 960
 901 CATECGGGAGAGGTTACGTGACTTGCATACCTGAGGCCAGATCGGAGT 960
 961 CCCAACAGACTACGACTCTCCACGGCTCTCGTCATGGTTCTTCATCA 1020
 961 CCCAACAGACTACGACTCTCCACGGCTCTCGTCATGGTTCTTCATCA 1020
 QY 1021 TGTGGAGTCCCCTCATCCTCACCATCTCTCATGATCCAACTCCGGAGACC 1080
 1021 TGTGGAGTCCCCTCATCCTCACCATCTCTCATGATCCAACTCCGGAGACC 1080
 QY 1081 TGGCATCTGGCCATCCCTTCTCTGSGGGGCGCTTCAGTTGCCAATCTGCC 1140
 1081 TGGCATCTGGCCATCCCTTCTCTGSGGGGCGCTTCAGTTGCCAATCTGCC 1140
 QY 1141 TAACCCCATACTGTGACACATGTTGCTGTCAGAACAGATGGGGAAAGATT 1200
 1141 TAACCCCATACTGTGACACATGTTGCTGTCAGAACAGATGGGGAAAGATT 1200
 QY 1201 GCTTCTTTCCAGAGGGSCATTTCAGATACTGCTCTGCGAAATAGCT 1260
 1201 GCTTCTTTCCAGAGGGSCATTTCAGATACTGCTCTGCGAAATAGCT 1260
 QY 1260 GCTTCTTTCCAGAGGGSCATTTCAGATACTGCTCTGCGAAATAGCT 1260
 QY 1261 TGTCTGTTTCCGCTACTAGSCTCTGGGAGGAAACGGGTGCTGATGAA 1220
 1261 TGTCTGTTTCCGCTACTAGSCTCTGGGAGGAAACGGGTGCTGATGAA 1220
 QY 1321 GGGAGTTAACTTCAGGAAGGCCCTCAGTGCGCCCTGCTTAAAAATACCGA 1380
 1321 GGGAGTTAACTTCAGGAAGGCCCTCAGTGCGCCCTGCTTAAAAATACCGA 1380
 QY 1380 GGGAGTTAACTTCAGGAAGGCCCTCAGTGCGCCCTGCTTAAAAATACCGA 1380
 Db 1381 ACACGGCATCTAGGAGCCAAATTAGGATGATGCTGCTAGTAAATATT 1440
 1381 ACACGGCATCTAGGAGCCAAATTAGGATGATGCTGCTAGTAAATATT 1440
 QY 1440 ACACGGCATCTAGGAGCCAAATTAGGATGATGCTGCTAGTAAATATT 1440
 QY 1441 TCCCTAAAGACTCTATGGTTCTTGTGACTTTTAAGTGTGTTGATAAT 1500
 1441 TCCCTAAAGACTCTATGGTTCTTGTGACTTTTAAGTGTGTTGATAAT 1500
 QY 1500 TCCCTAAAGACTCTATGGTTCTTGTGACTTTTAAGTGTGTTGATAAT 1500
 Db 1501 GATCTAGTTAAATTTTATTATACCTGTCTACAAAAAAAGAAAAAA 1560
 1501 GATCTAGTTAAATTTTATTATACCTGTCTACAAAAAAAGAAAAAA 1560
 Db 1560 GATCTAGTTAAATTTTATTATACCTGTCTACAAAAAAAGAAAAAA 1560

RESULT 5
 US-10-006-181-6
 ; Sequence 6, Application US/10086181
 ; Publication No. US20030177151A1
 ; GENERAL INFORMATION:
 ; APPLICANT: GIMENO, Ruth
 ; TITLE OF INVENTION: METHODS FOR THE TREATMENT OF METABOLIC
 ; DISORDERS, INCLUDING OBESITY AND DIABETES
 ; FILE REFERENCE: MNI-220
 ; CURRENT APPLICATION NUMBER: US/10/086,181
 ; CURRENT FILING DATE: 2003-02-26
 ; PRIOR APPLICATION NUMBER: 60/271,655
 ; PRIORITY FILING DATE: 2001-02-26
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO: 6
 ; LENGTH: 1086
 ; TYPE: DNA
 ; ORGANISM: Murine ortholog
 ; US-10-006-181-6

Query Match 69.6%; Score 1086; DB 5; Length 1086;
 Best local similarity 100.0%; Pred. No. 9 4e-282; Length 1086;
 Matches 1086; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 255 ATCGGACCACTCCCTTCGGATTCAGGGGCCACCGGTTGGTTGAC 314
 61 ATGCCACCCACTTCCTTCCTGGATGTCAGGGGCCACCGGTTGGTTGAC 120
 315 GTCGTGGAGACCCAGGTTCTGGACTCATCTTGTGTCAGCTGCTGCCA 434
 180 GCTCTGAGACACGGTTCTGGACTCATCTTGTGTCAGCTGCTGCCA 180
 121 GTCTGGAGACACGGTTCTGGACTCATCTTGTGTCAGCTGCTGCCA 121
 375 GCTCTGAGACCCAGGTTCTGGACTCATCTTGTGTCAGCTGCTGCCA 300
 181 GCTCTGAGACACGGTTCTGGACTCATCTTGTGTCAGCTGCTGCCA 240
 QY 435 CTCTCTGGGATTGCTTCACAGGCCATCCCTAGCTGCTGGGGCTGG 494
 241 CTCTCTGGGGAATGCTTCACAGGCCATCCCTAGCTGCTGGGGCTGG 300
 QY 495 ACTGAGGCTCTGGCTTCTGGGAGATTTGCTGTCAGTACAATG 554
 361 AGCGCAGGGTAGCTCCACTGSCCGCSTGAGCTGCGCATGCTGCACTC 420
 QY 301 ACTGAGGCTCTGGCTTCTGGGAGATTTGCTGTCAGTACAATG 360
 555 AGCGCAGGCTACATCTTCACACTGGCGCCGCTAGCTGGGCCATGTCGTCATC 614
 421 GTGCCTCTGGGGCTTCTGGGAGATTTGCTGTCAGTACAATG 480
 QY 615 GTGCCTCTGGGGCTTCTGGGAGATTTGCTGTCAGTACAATG 734
 360 421 GTGCCTCTGGGGCTTCTGGGAGATTTGCTGTCAGTACAATG 480
 QY 675 TCATATGGGGTTACTGGGCTGGCGCTGAGGCGCCGGGACTCAGGGCGCACCTGGCT 734
 481 TTCAATATGGGGTTACTGGGCTGGCGCTGAGGCGCCGGGACTCAGGGCGCACCTGGCT 540
 QY 735 CGCGCGCCCTCCGGGGGGCTGAGGCGCCGGGCTGCCCCCTCATCTGGATGGCCCAAC 794
 601 CGCATAGGAGAAATCTCATGGATGTTTGTGACTTTGACCTCTGTGCGGG 660
 QY 541 CGCGCGCCCTCCGGGGGGCTGAGGCGCCGGGACTCAGGGCGCACCTGGCT 600
 QY 795 CGCATAGGAGAAATCTCATGGATGTTTGTGACTTTGACCTCTGTGCGGG 854
 601 CGCATAGGAGAAATCTCATGGATGTTTGTGACTTTGACCTCTGTGCGGG 660
 QY 855 CTGGCATTTGATGACTTCAAAATTACAGATCACGAGAACATCGATTTGACCTCTGTGCGGG 914
 661 CTGGCATTTGATGACTTCAAAATTACAGATCACGAGAACATCGATTTGACCTCTGTGCGGG 720
 QY 915 CTTAGCTGAGCTGGCATACTCTGAGAGCCACAGATCGGAGTGTCCCACAAAGACTAC 974
 721 CTTAGCTGAGCTGGCATACTCTGAGAGCCACAGATCGGAGTGTCCCACAAAGACTAC 780
 QY 975 CGACTCTGGAGCTCTCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTCCATC 1034
 781 CGACTCTGGAGCTCTCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTCCATC 780
 QY 1035 ATCACCACTCTCTCATCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTCCATC 1094
 841 ATCACCACTCTCTCATCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTCCATC 900
 QY 1094 841 ATCACCACTCTCTCATCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTCCATC 900
 1095 TCCCTTTCTCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTTCCTCTCATCTGGAGCTCCATC 1154
 901 TCCCTTTCTCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTTCCTCTCATCTGGAGCTCCATC 960
 QY 1155 TACACATGCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTTCCTCTCATCTGGAGCTCCATC 1214
 961 TACACATGCTGGCTGAGCTGGCTTCCTCTCATCTGGAGCTTCCTCTCATCTGGAGCTCCATC 1214
 QY 1215 GAGAGGGGACCATTTTACAGATACGCTGTCAGGGAAATGACTGTGTTATTCC 1214
 Db 1021 GAGAGGGGACCATTTTACAGATACGCTGTCAGGGAAATGACTGTGTTATTCC 1080
 QY 1275 AGCTAA 1280
 Db 1081 AGCTAA 1086


```

RESULT 8
US-10-077-698-2
; Sequence 2, Application US/10-
; Publication No. US200300831500
; GENERAL INFORMATION:
; APPLICANT: GLUCKSMANN, Maria
; TITLE OF INVENTION: 14273 Reference
; FILE REFERENCE: 5800-4B, 035
; CURRENT APPLICATION NUMBER:
; CURRENT FILING DATE: 2002-0
; PRIOR APPLICATION NUMBER: 09-
; PRIOR FILING DATE: 1999-02-2
; PRIOR APPLICATION NUMBER: 09-
; PRIOR FILING DATE: 1998-06-3
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE: 1998-12-3
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-077-698-2

Query Match          55.5%
Best Local Similarity 80.5%
Matches 104; Conservative

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QY	181	GCCCGGGCGGCCGGAATG
Db	30	GCCAGGGCGGGGAAATG
QY	241	CCTCTGACCAAGTCATA
Db	90	GCTCTGGAGGAAGCCAAAC
QY	301	GGTGGTGTGTGACGCTCC
Db	150	GGCTGGTGTGTGGCCGGGG
QY	361	TGGGAAACGTGTGCTT
Db	210	TGGGAAACGTGTGGCC
QY	421	GCCCTGGTGTCAACCTCT
Db	270	GCCCTGGTACTCAACCTCT
QY	481	TGCTGGTSGCCTGACTCT
Db	330	TGCGCTGGCTGACTCT

1 GCTCTTTCAGAGAGGAGCATTTACGATGCTGTCTCGCGAATGACT 1260
 0 GCTCTGGTCCAGAAAGGAGSCATTAAAGACATCTGTCAAAGAAATGACT 1109
 0 TGTCTGTTATTCAGCTAA-----CTAGCTCTGCGAGGTGACAC 1305
 0 TGTCGATTATTCGCTAATTTCTTAGCGAGTTCTCACACCTGGCAGCT 1169
 7 GGTTGTCGATGTAAGGGAGTAACTCAGGAAGGCCAACAGTGCGCCCTGCTTAAGA 1366
 0 GGCATGCTTAAACAGAGTCATTCAGTACCCCTCACTAGTGACCTCTGCTTAAGA 1229
 7 ATACCGACCTCCAACAGCGGGCATCTACGGAGGAGCAATTANGAATGATGCTCAG 1426
 0 A-AATGAACTATGCAAAATAGACATCCACAGCGTGGTAATTAGGSGTGATCACAAG 1288
 7 TATAAAATATTTCCTAAAGAGACTCTCATGG 1463
 9 TTTCATAATTTCCCTTATAAAGGATTGTTGG 1325

8-2
 , Application US/1007769
 n. No. US2003008350A1
 INFORMATION:
 : Gluckmann, Maria A.
 INVENTION: 1423 Receptor, A No. US2003008350A1el G-Protein Coupled
 REINCE: 5800-4B, 035800/177086
 APPLICATION NUMBER: US10/077,638
 FILING DATE: 2002-02-13
 PENDING DATE: 09/26/1,599
 APPLICATION NUMBER: 0/107,761
 PENDING DATE: 1998-06-30
 APPLICATION NUMBER: 09/223,538
 PENDING DATE: 1998-12-30
 SEQ ID NOS: 7
 PatentIn Ver. 2.1
 2
 1743
 A
 : Homo sapiens
 B
 :
 8-2

h Similarity 55.5%; Score 865.2; DB 5; Length 1743;
 44: Conservative 80.5%; No. 2,3-222; Mismatches 238; Indels 15; Gaps 2;
 0 GCGCGGCGCCGGATGTCCTGAGTGACAGACAGCGGGACCTGTCCTGCA 240
 0 GCGAGGCGCGGAATGTCCTGAGTGCGGGCGGGCGGGACGGCCCTGCGA 89
 1 CCCTTGACGACGTCATCCACCAACTTCCTTCTCTGGATGTCAGGGCACACC 300
 0 GCCTTGAGAAGCCACCGCACCGCTTCCCTCTCCGAGTCAGGGCACACC 149
 1 GGTCTGTTGAGGTCGTGGAGAACGACGCTCACTTGGTCTCACTGCG 360
 0 GGCTCTGGTGGTCAACCTCTCTGCGCGGATTTGCTCTTCAACAGCGCCAGACGCGCGCGCGCACTGCT 209
 1 TGGGACCTGTCGTCCTAGTGCTGGACCGCCCGTGGCGCGTGGGGCTGAGCA 420
 0 GGCTGAGTCACTCTCTGCGCGGACTGCTCTGCGGACGCTCTCTGAGGCTTCCCTGTC 329
 0 TGGCAACTCTGGGCCCTGCTGGCGCCAGACGCGCGCGCGCACTGCT 269
 1 GCTCTGGTGGTCAACCTCTCTGCGCGGATTTGCTCTTCAACAGCGCCAGACGCGCGCGCGCACTGCT 480
 0 TGGCTGTCGCTGCTGACTGAGGCGCGCTGCTGGCGCCAGACGCGCGCGCGCACTGCT 540
 0 TGGCTGTCGCTGACTGAGGCGCGCTGCTGGCGCCAGACGCGCGCGCGCACTGCT 389

FILE REFERENCE: MNI-204CP3
 CURRENT APPLICATION NUMBER: US/10/171,027
 PRIORITY FILING DATE: 2002-06-12
 PRIOR APPLICATION NUMBER: US/09/456,455
 PRIOR FILING DATE: 1999-12-08
 NUMBER OF SEQ ID NOS: 15
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 1743
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-171-027-2
 Query Match 55.5%; Score 866.2; DB 5; Length 1743;
 Best Local Similarity 80.5%; Pred. No. 2; 3e-22;
 Matches 1044; Conservative 0; Mismatches 238; Indels 15; Gaps 2;
 Qy 181 GCTGGGGGCCGCGCATGCCCTGTAGTGTCAGTCACGAGCAAGGGGCGTCTCGACA 240
 Db 30 GCAGGGCCGGSGAATGCCCTGAAATGCCGGGGCAGCGCGCACGCGCCCTTGCGCA 89
 Qy 241 CCTGGAACGAACTGCATGGTACTTCAGATGTTGAGCTTGTCTTGTACTTGTACT 689
 Db 90 GCTGGAGCAAGCAACTCGAACCGACAGGAGCTCGAGATCGGGT 900
 Qy 690 TCTGGTGCCAGGACTGGTCATGTTGATGAGCTTGTCTTGTACTTGTACT 749
 Qy 901 CATTGGCGAAGAGGGCTTCGGCTGAGCTGGCATACTCTGAGAGCCACAGATCGGGT 960
 Db 750 CATCAAGGAGAGGCTACGGTAAGCTGGCCFACTCGAGAGACCGACGATCCGGT 809
 Qy 961 CCCAAACAAGACTACCGACCTCCGGCTTCGGCACCTCTCCATGGTCTCTTCATCA 1020
 Db 810 CCCAGCAGACTCCGGCTTCGGCACCTCTCCATGGTCTCTTCATCA 869
 Qy 1021 TGTGGGAGTCGGCCATCATCACCATCTCTCATCTGATCRAAACCTCCGGCAGACC 1080
 Db 870 TGGGAGGCCCATCATCACCATCTCTCATCTGATCCAGACTCAAGCAAGACC 929
 Qy 1081 TGTCTCATCGGCATCCCTTCTCTGGTGTGGCTTCAGTTCCAACTCTCCC 1140
 Db 930 TGGTCATCTGGCCCTCTCTCTGGTGTGGCTTCAGTTCCAACTCTCCC 989
 Qy 1141 TAACCCCCATACTGTACACATGTCGCTTCAGGAAGCAATGGGAGATTGGT 1200
 Db 990 TAACCCCCATCTCTACACATGACACTGTGCAAGGAAATGGGAGATTGGT 1049
 Qy 1201 GCTCTTCTTCAGAGAGGGGCAATTAGAGATACGAGCTGGCTGGCAATGACT 1260
 Db 1050 GCTTCCTGGTCCAGAAAGGGACCATTTAACAGACACATCTGTCAAAGAAATGACT 1109
 Qy 1261 TGTCTGTTATTCAGCTAA-----CTAGCTCTGGCCAGGTGACAC 1306
 Db 1110 TGTGCAATTTCGCTAAATTCTTATAGCCGAGTTCTCACACTGGGAGSTGT 1169
 Qy 1307 GGTTGCACTGAAAGGGAGTTAACTTCAGGAAGCCACAGTGCGCCCTTTAA 1366
 Db 1170 GGATGCTTAAACAGACTCTTCAGTACCCCTCATCACTGACCCGTGACAC 1229
 Qy 1367 ATACCGACTTCACAGCAGGATCTAGGACCCAAATTAGGAATGATGCTCAG 1426
 Db 1230 A-AATGAACCTATGCAAATAGACATCCACAGGCGGGTAATTAGGGGTGATCACAAG 1288
 Qy 1427 TATATAATATTTCTTAAAGACTTCTATGG 1463
 Db 1289 TTTCATAATTTCCCTTATAAAGGATTCTGG 1325

RESULT 9
 US-10-171-027-2
 Sequence 2, Application US/10/171027
 Publication No. US20030073168A1
 GENERAL INFORMATION:
 APPLICANT: Gluckmann, Maria A.
 APPLICANT: Tsai, Feng-Ying
 TITLE OF INVENTION: 14273 Receptor, A No. US20030073168A1 G-Protein Coupled Recepto


```

Db          541 CGCAACGGCTCCCCGGCGCACAGAAATTGCAATTGCGACATGATTGGCCACC 600
Qy          795 CGCATGGAGAACATCAGGGATGTTTGAGACTTGTACTCTGGTGGGGGA 854
Db          601 ATTCCCTGAGAGATCTGTGCTGAGACTCTGTTGACTTGA 660
Qy          855 CTGGTATGATGATGACTTCCAAATTACAGTCAGAAAGATCGGGAGAGG 914
Db          661 CTGGTATGATGATGTTACTTCAGAAATTACAGTCAGAAAGGAGG 720
Qy          915 CTTACCTGAGCTGGCATACTCTGAGAGGCCAACAGAATCCGGAGTGTCCAAAGGAGG 974
Db          721 CTCACCGTAAGCTGGCTACTCTGGAGAGCCACCAAGATCCGGTGTCCAGGAGG 780
Qy          975 CGACTCTCCGACGCTTCTGCTGATGAGCTTACAGTCAGAAAGGAGG 1034
Db          781 CGCTCTCCGACCCCTCTCCATGGCTCTCATCTGAGTGGCCATC 840
Qy          1035 ATCATACCATCTCTCATCTGATCCAACCTCCGGAGGACTGGTCATCTGCCA 1094
Db          841 ATCATACCATCTCTCATCTGATCCAACCTCCGGAGGACTGGTCATCTGCCA 900
Qy          1095 TCCCTCTCTGGTGGCTCATCTGCTACAGTTGCTACTCTGCCAAACCCATACTG 1154
Db          901 TCCCTCTCTGGTGGCTCATCTGCTACAGTTGCTACTCTGCCAAACCCATACTG 960
Qy          1155 TACAATGTCGCTGTCAGGACAGAATGGAGAATTTCGGCTCTTTC 1214
Db          961 TACACATGACACTGTCAGGATGAGTGGAGAAATTTCGGCTCTTTC 1020
Qy          1215 GAGAAGGGAGCATTACAGATACTCTGAGGGAAATGACTGTCGTTATTC 1274
Db          1021 GAAAGGGAGCCATTAAACAGACACATCTGTCAAAGAAATGACTGTCGTTATTC 1080
Qy          1275 AGCTAA 1280
Db          1081 GGCTAA 1086

RESULT 14
US-10-262-313-1
; Sequence 1, Application US/10262313
; Publication No. US20030129653A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY18, EXPRESSED HIGH
; FILE REFERENCE: D0048 CIP
; CURRENT APPLICATION NUMBER: US/10-262-313
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: U.S. 09/992,331
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 1
; LENGTH: 1086
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-262-313-1

Query Match      52.5%; Score 818.8; DB 6; Length 1086;
Best Local Similarity 84.6%; Pred: No. 1.e-209; Mismatches 167; Indels 0; Gaps 0;
Matches 919; Conservative 0; Mi 0; S 0;

Qy          195 ATGTCCTCTGAGCTGGCACAGACAGAGGGCTCTGGCTCTGCACCCCTGGACCAAGTC 254
Db          1 ATGTCCTCTGAGCTGGCACAGACAGAGGGCTCTGGCTCTGCACCCCTGGACCAAGTC 60
Qy          255 ATTCGACCCCCACTCCCTCTCTGGATGTCAGGGGACACCGCTGGTGTAGC 314
Db          61 AACGGACCCGTTCTCTCTGGCACAGTCAGGGACACCGCTGGTGTAGC 120

RESULT 15
US-10-768-878-1
; Sequence 1, Application US/10768878

```

GENERAL INFORMATION:
 APPLICANT: Bristol-Myers Squibb Company
 TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBM18, EXPRESSED HIGHLY IN PITUITARY GLAND, COLON CARCINOMA, AND LUNG CANCER CELL
 FILE REFERENCE: D0048A.CIP2
 CURRENT APPLICATION NUMBER: US/10/768, 878
 CURRENT FILING DATE: 2004-01-30
 PRIOR APPLICATION NUMBER: U.S. 09/992, 331
 PRIOR FILING DATE: 2001-11-14
 PRIOR APPLICATION NUMBER: U.S. 60/248, 483
 PRIOR FILING DATE: 2000-11-14
 PRIOR APPLICATION NUMBER: U.S. 10/262, 313
 PRIOR FILING DATE: 2002-09-30
 PRIOR APPLICATION NUMBER: U.S. 60/261, 782
 PRIOR FILING DATE: 2001-01-16
 PRIOR APPLICATION NUMBER: U.S. 60/308, 540
 PRIOR FILING DATE: 2001-07-27
 NUMBER OF SEQ ID NOS: 50
 SOFTWARE: Patentin version 3.2
 SEQ ID NO 1
 LENGTH: 1086
 TYPE: DNA
 ORGANISM: Homo sapiens

MS-10-768-878-1

Qy	855	CCTGCTCATGTGATCACTTACAGATCACGAAGATCGGGAGAGG	914
Db	661	CTGGCTCATGTGATCACTTACAGATCACGAAGATCGGGAGAGG	720
Qy	915	CTTAGCTGAGCTGGCATACTCTGAGAGCCACAGATCGGAGTGTCCCACAAAGACTAC	974
Db	721	CTCACGGTAAGCTACTCTGGAGAGGCCACAGATCGGGTGCCAGCAGAACATC	780
Qy	975	CAACTCTCCGCAAGCTCTCTCTGCTCATGTTCTCATCATGTTGAGTCATC	1034
Db	781	CGCTCTCCGACCTCTCTCTCATGGCTCTCTCATCATGTTGAGCCATC	840
Qy	1035	ATCATCACCATCTCTCATCTGATCCAAACTCCGGAGACCTGCTATGGCCA	1094
Db	841	ATCATCACCATCTCTCATCTGATCCAAACTCCGGAGACCTGCTATGGCCA	900
Qy	1095	TCCCTTCTCTGGGGTGSCCTCACTTCACTGCCTAAACCCATACTG	1154
Db	901	TCCCTTCTCTGGGGTGSCCTCACTTCACTGCCTAAACCCATACTG	960
Qy	1155	TACACATGTGCTGTTGAGGAATGAGGAGATTTCCTGCTCTTTTCCA	1214
Db	961	TACACATGTGCTGAGGAATGAGGAGATTTCCTGCTCTTTTCCA	1020

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RESULT 4
US-11-21-086-8
; Sequence 8, Application US11121086
; Publication No. US20050266159A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09136_6000-0000
; CURRENT APPLICATION NUMBER: US11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIORITY APPLICATION NUMBER: 60/567,570
; PRIORITY FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 9
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (55)..(942)
; OTHER INFORMATION: IGS4A truncated DNA long version
; US-11-170-153-9

Query Match 3 6%; Score 55.4; DB 7; Length 1594;
Best Local Similarity 48.9%; Pred. No. 0.007; Gaps 0.065;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;
Length: 246960;

QY 314 CGTCCTGGAGACCAACCGTTCTGGGACTCATCTTGTGCTCACTGTGGCAACGTTG 373
QY 374 TGTCTCTAGTCTGGTGCACGCCGCTGGGCTCAGGCTCATCTCTCTGGGATGCGCTCA 433
Db 120652 CGTGTCTGGCGCCGGCTACAGGCTCATCTCTCTGGGATGCGCTCAACGTTG 120711
QY 434 CCTCTCTGGCGGTTGGCTCTTACACCGCGCTCCCTCTAGTCTCTGGCTCGCTG 493
Db 120772 CCACCTGGCGCTGCGACCTCTCTGGCTCTTACACCGCGCTCCCTGGGAGGG 120831
QY 494 GACTGAGGCCGCTGGCTGGGGCGCTCGTCTGGCCACCTCTCTACCTGATAACAT 553
Db 120832 CTCTCTGGGGCTGGCTGGGACCTCTGGCTGAAACTGTGATGGCTGCAAGT 120891
QY 554 GAGGGCGCACGGTCACTCTGGCGCTGAGCTGGGGCGATGGTGATGCGAT 613
Db 120892 CAACCTCTACTGCAACGCGCTCTGGCTGCACTGGGGCGCTACCTGGCAT 120951
QY 614 CGTGGCCCTGGGGCTGAGGGCC 642
Db 120952 TGTCCACCGCGTCTGCTACCGSCACC 120980

RESULT 5
US-11-170-153-9
; Sequence 9, Application US11170153
; Publication No. US20050266529A1
; GENERAL INFORMATION:
; APPLICANT: DELEERSNIJDER, WILLY
; APPLICANT: VENEMA, JAKOB
; APPLICANT: BERGER, CLAUDIA
; APPLICANT: LOKEN, CHRISTIANE
; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 01975_0034
; CURRENT APPLICATION NUMBER: US/11/170,153
; CURRENT FILING DATE: 2005-06-30
; PRIORITY APPLICATION NUMBER: US/10/088,744
; PRIORITY FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO: 9
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (55)..(942)
; OTHER INFORMATION: IGS4A truncated DNA short version
; US-11-170-153-9

Query Match 3 2%; Score 50.4; DB 7; Length 1594;
Best Local Similarity 48.9%; Pred. No. 0.0065; Gaps 0.065;
Matches 135; Conservative 0; Mismatches 141; Indels 0; Gaps 0;
Length: 246960;

QY 487 TCGCTCTGACTTAGGCTGGGTGTTGGGGCGCTGCTGCCACCTGCTCTCTAGTGA 546
Db 371 TGTGGGCGCAACTACCCCTTCTGTGTTGGGGCGCTGGCTGTTACTTCAGACGGCCCTCT 430
QY 547 TGCACATTGAGGGCGACGGCTGCGATCTCACACTGGCGGCTGAGCTGAGGCGATGG 606
Db 431 TTGAGACCGTGTGCTTGGCTCATCTCAGCATCACACCGCTCAGGTGGAGCGATGG 490
QY 607 TGTGCACTGCGCGCCCTGGGCGGGCTTGGGGCGCTGAGGGCGCCGGCGGACTCTGGGCGAC 666
Db 491 TGGCCATTCCTACCGCTTCCGGCGAACCTGCACTGAGGACCGACCGCGCCGGCGCTAGGA 550
QY 667 TCTGACTTCTATGGGTACTCGGGCTGGGGCGCTGGGGCGCTACACTCTGTCC 726
Db 551 TCCTCGCATGCTCTGGCTCTCGTGTCTTCTCCCTCCACACAGCATCCATG 610
QY 727 CGTGGTCCCCAGCGCCCTTCCGGGGGGGGGGGG 762
Db 611 GCATCAGTCCACTACTCCCCATGGTCCCTGG 646

RESULT 6
US-11-170-153-11
; Sequence 11, Application US11170153
; Publication No. US20050266529A1
; GENERAL INFORMATION:
; APPLICANT: DELEERSNIJDER, WILLY
; APPLICANT: WEEST, GUY NYS
; APPLICANT: VENEMA, JAKOB
; APPLICANT: BERGER, CLAUDIA
; APPLICANT: LOKEN, CHRISTIANE
; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 01975_0034
; CURRENT APPLICATION NUMBER: US/11/170,153
; CURRENT FILING DATE: 2005-06-30
; PRIORITY APPLICATION NUMBER: US/10/088,744
; PRIORITY FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO: 11
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (64)..(942)
; OTHER INFORMATION: IGS4A truncated DNA short version

```

US-11-170-153-11

Query Match 3.2%; Score 50.4; DB 7; Length 1594;
 Best Local Similarity 48.9%; Pred. No. 0.0065; 0; Mismatches 141; Indels 0; Gaps 0;

Qy 487 TGGCTGACTGAGGCCTGGCTGGCGCCCTGTGCCACCTGTCTTACGTGA 546
 Db 371 TGTCGGCACTACCTTCTTGTCGGCCGGCTACTTCAGACGGCATCG 430

Qy 547 TGACATGAGGGAGCGTACAGTCACACTGGCGGTGAGCTGAGGCAATGG 606
 Db 431 TTGAGACCTGTTGGCTCCAGTCACACTGGCGGTGAGCTGAGGCAATGG 490

Qy 607 TGTCATGCGCCTCCGGCGCTTGAGCAGCCGGGGCTACGGGGCAC 666
 Db 491 TGGCATCTACACCGTCCGGCCAAGTGGAGGACCCGGGGCTCAGGA 550

Qy 667 TCGGCTTCATATGGGTACTGGGGCTCCGGCTGGCTTACACTTGTC 726
 Db 551 TCCTCGGCATGCTGGGGCTTCAGCGTCTCTCCCTGCCAACACCATCCATG 610

Qy 727 GCGTGGTCCGAGGCCCTCCGGGGACAGG 762
 Db 611 GCATCAAGTCCACTACTTCCCACATGGTCCCTGG 646

RESULT 7
 US-11-170-153-1
 ; Sequence 1, Application US/11170153
 ; Publication No. US20050266529A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DELEERSNIJDER, WILLY
 ; APPLICANT: WEESP, GUY NYS
 ; APPLICANT: VENEMA, JAKOB
 ; APPLICANT: BERGER, CLAUDIA
 ; APPLICANT: LOKEN, CHRISTIANE
 ; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
 ; FILE REFERENCE: 01975-0034
 ; CURRENT APPLICATION NUMBER: US/11/170,153
 ; CURRENT FILING DATE: 2005-06-30
 ; PRIOR APPLICATION NUMBER: US110/088,744
 ; PRIOR FILING DATE: 2002-03-22
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 3.2
 ; SEQ ID NO 3
 ; LENGTH: 1658
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (64)..(1299)
 ; OTHER INFORMATION: IGS4A short version

US-11-170-153-3
 Query Match 3.2%; Score 50.4; DB 7; Length 1658;
 Best Local Similarity 48.9%; Pred. No. 0.0067; 0; Mismatches 141; Indels 0; Gaps 0;

Qy 487 TGGCTGACTGAGGCCTGGCTGGCGGTGGCTGGCGGTGAGCTGAGGCAATGG 546
 Db 371 TGTCGGCACTACCTTCTTGTCGGCCGGCTACTTCAGACGGCATCG 430

Qy 547 TGACATGAGGGAGCGTACAGTCACACTGGCGGTGAGCTGAGGCAATGG 606
 Db 431 TTGAGACCTGTTGGCTCCAGTCACACTGGCGGTGAGCTGAGGCAATGG 490

Qy 607 TGTCATGCGCCTCCGGCGCTTGAGCAGCCGGGGCTACGGGGCAC 666
 Db 491 TGGCATCTACACCGTCCGGCCAAGTGGAGGACCCGGGGCTACGGGGCAC 550

Qy 667 TCGGCTTCATATGGGTACTGGGGCTCCGGCTGGCTTACACTTGTC 726
 Db 551 TCCTCGGCATGCTGGGGCTTCAGCGTCTCTCCCTGCCAACACCATCCATG 610

Qy 727 GCGTGGTCCGAGGCCCTCCGGGGACAGG 762
 Db 611 GCATCAAGTCCACTACTTCCCACATGGTCCCTGG 646

RESULT 9
 US-11-170-153-5
 ; Sequence 5, Application US/11170153
 ; Publication No. US20050266529A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DELEERSNIJDER, WILLY
 ; APPLICANT: WEESP, GUY NYS
 ; APPLICANT: VENEMA, JAKOB
 ; APPLICANT: BERGER, CLAUDIA
 ; APPLICANT: LOKEN, CHRISTIANE
 ; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
 ; FILE REFERENCE: 01975-0034
 ; CURRENT APPLICATION NUMBER: US/11/170,153
 ; CURRENT FILING DATE: 2005-06-30
 ; PRIOR APPLICATION NUMBER: US110/088,744
 ; PRIOR FILING DATE: 2002-03-22
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: PatentIn Ver. 3.2
 ; SEQ ID NO 3
 ; LENGTH: 1658
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (64)..(1299)
 ; OTHER INFORMATION: IGS4A long version

US-11-170-153-1
 Query Match 3.2%; Score 50.4; DB 7; Length 1658;
 Best Local Similarity 48.9%; Pred. No. 0.0067; 0; Mismatches 141; Indels 0; Gaps 0;

Qy 487 TGGCTGACTGAGGCCTGGCTGGCGGTGGCTACTTCAGACGGCATCG 546
 Db 371 TGTCGGCACTACCTTCTTGTCGGCCGGCTACTTCAGACGGCATCG 430

Qy 547 TGACATGAGGGAGCGTACAGTCACACTGGCGGTGAGCTGAGGCAATGG 606
 Db 431 TTGAGACCTGTTGGCTCCAGTCACACTGGCGGTGAGCTGAGGCAATGG 490

Qy 607 TGTCATGCGCCTCCGGCGCTTGAGCAGCCGGGGCTACGGGGCAC 666
 Db 491 TGGCATCTACACCGTCCGGCCAAGTGGAGGACCCGGGGCTACGGGGCAC 550

Qy 667 TCGGCTTCATATGGGTACTGGGGCTCCGGCTGGCTTACACTTGTC 726
 Db 551 TCCTCGGCATGCTGGGGCTTCAGCGTCTCTCCCTGCCAACACCATCCATG 610

Qy 727 GCGTGGTCCGAGGCCCTCCGGGGACAGG 762
 Db 611 GCATCAAGTCCACTACTTCCCACATGGTCCCTGG 646

; CURRENT FILING DATE: 2005-06-30
 ; PRIOR APPLICATION NUMBER: US/10/088,744
 ; PRIOR FILING DATE: 2002-03-22
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: Patentin Ver. 3.2
 ; SEQ ID NO: 5
 ; LENGTH: 1658
 ;
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (55)..(1299)
 ; OTHER INFORMATION: IGS4B long version
 ; US-11-170-153-5
 ;
 Query Match 3.2%; Score 50.4; DB 7; Length 1658;
 Best Local Similarity 49.9%; Pred. No. 0.0071; Mismatches 0; Indels 0; Gaps 0;
 Matches 135; Conservative 0; MisMatches 141; InDels 0; Gaps 0;
 ;
 Qy 487 TGCCTCTGGACTGAGGCTGCTGTGGGGCCGTCGTCACCTGCTCTAAGTG A 546
 Db 371 TGCGGCCAACTACCCCTTGTGTCGGGCCGTCGGCTACTCAAGAGGGCCTCT 430
 Qy 547 TGCATGAGGGAGGAGGCGTACGCAAGCAGCTCACACTGGCCGGTCAAGCCTG 606
 Db 431 TTGAGACCGTGTGCTGCGTCCATCTCAGCATACACCGTGAGGTGAGCCATGG 490
 Qy 607 TGCATGAGGGAGGAGGCGTACGCAAGCAGCTCACACTGGCCGGTCAAGCCTG 666
 Db 491 TGCACATCTACACCCGTCGACCCAAACTGCAAGACGCCGCGCCCTCAGGA 550
 Qy 667 TGCCTGCTTCATGGGGTACTGGCGCTGGCGCCCTGAGGACTCAGGGGAC 726
 Db 551 TCCCTGGCATGCTGGGGTTCCTCGTGTCTTCCCTCCACACAGATCCATG 610
 Qy 727 GCGTGTCCGAGGCGCTTCCCGCGGGGACACAG 762
 Db 611 GCATCAAGTTCACACTTCCCACATGGTCCCTGG 646
 ;
 RESULT 10
 ; Sequence 7, Application US/11170153
 ; Publication No. US2005026529A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DELBERSNIJDER, WILLY
 ; APPLICANT: WIEESP, GUY NY
 ; APPLICANT: VENEMA, JAKOB
 ; APPLICANT: BERGER, CLAUDIA
 ; APPLICANT: LOREN, CHRISTIANE
 ; TITLE OF INVENTION: HUMAN G-PROTEIN COUPLED RECEPTOR
 ; FILE REFERENCE: 01975-0034
 ; CURRENT APPLICATION NUMBER: US/11/170,153
 ; CURRENT FILING DATE: 2005-06-30
 ; PRIOR APPLICATION NUMBER: US/10/088,744
 ; PRIOR FILING DATE: 2002-03-22
 ; NUMBER OF SEQ ID NOS: 35
 ; SOFTWARE: SeqWin99, version 1.04
 ; SEQ ID NO: 8555
 ; LENGTH: 747
 ;
 ; TYPE: DNA
 ; ORGANISM: Neisseria gonorrhoeae
 ; US-10-467-657-8555
 ;
 Query Match 3.2%; Score 49.6; DB 6; Length 747;
 Best Local Similarity 60.3%; Pred. No. 0.0071; Mismatches 54; Indels 0; Gaps 0;
 Matches 82; Conservative 0; MisMatches 54; InDels 0; Gaps 0;
 ;
 Qy 19 GCCTCTCCACAGCAATCTCACAGAAGGGTTATGGAGTGTTCACACCATGTGACC 78
 Db 137 GCTCTTCACAGGATTCTCACACGGTTATGGAGTGTTCACACCATGTGACC 78
 Qy 79 ACTCCAGACTGGCGCTTACCGGATCTTCACAGGGAGTGTGACCTGTGACA 138
 Db 77 ACATCCGACCATGGCTTCACAGGACTTGTGAGTGTGACCTGTGACA 138
 Prior Filing Date: 2002-03-22
 Software: Patentin Ver. 3.2
 Number of Seq Id Nos: 35
 Seq Id No: 7
 Length: 1658
 Type: DNA
 Feature: Organism: Homo sapiens
 Name/Key: CDS
 Location: (64)..(1299)
 Other Information: IGS4B short version
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 ; US-11-170-153-7
 ;
 Query Match 3.2%; Score 50.4; DB 7; Length 1658;
 Best Local Similarity 48.9%; Pred. No. 0.0071; Mismatches 0; MisMatches 141; InDels 0; Gaps 0;
 Matches 135; Conservative 0; Gaps 0;
 ;
 Qy 487 TGCCTCTGGACTGAGGCTGCTGTGGGGCCGTCGTCACCTGCTCTAAGTG A 546
 Db 371 TGCGGCCAACTACCCCTTGTGTCGGGCCGTCGGCTACTCAAGAGGGCCTCT 430
 Qy 547 TGCATGAGGGAGGAGGCGTACGCAAGCAGCTCACACTGGCCGGTCAAGCCTG 606
 Db 431 TTGAGACCGTGTGCTGCGTCCATCTCAGCATACACCGTGAGGTGAGCCATGG 490
 Qy 607 TGCCTGCTTCATGGGGTACTGGCGCTGGCGCCCTGAGGACTCAGGGGAC 726
 Db 551 TCCCTGGCATGCTGGGGTTCCTCGTGTCTTCCCTCCACACAGATCCATG 610
 Qy 727 GCGTGTCCGAGGCGCTTCCCGCGGGGACACAG 762
 Db 611 GCATCAAGTTCACACTTCCCACATGGTCCCTGG 646
 ;
 RESULT 11
 ; Sequence 8555, Application US/10467657
 ; Publication No. US20050260581A1
 ; GENERAL INFORMATION:
 ; APPLICANT: CHIRON SPA
 ; APPLICANT: FONTANA Maria Rita
 ; APPLICANT: PIZZA Mariagrazia
 ; APPLICANT: MASIGNANI Vega
 ; APPLICANT: MONACI Elisabetta
 ; TITLE OF INVENTION: GONOCOCAL PROTEINS AND NUCLEAR ACIDS
 ; FILE REFERENCE:
 ; CURRENT APPLICATION NUMBER: US/10/467,657
 ; CURRENT FILING DATE: 2003-08-11
 ; PRIOR APPLICATION NUMBER: GB-0103424.8
 ; PRIOR FILING DATE: 2001-02-12
 ; NUMBER OF SEQ ID NOS: 9218
 ; SOFTWARE: SeqWin99, version 1.04
 ; SEQ ID NO: 8555
 ; LENGTH: 747
 ;
 ; TYPE: DNA
 ; ORGANISM: Neisseria gonorrhoeae
 ; US-10-467-657-8555
 ;
 Query Match 3.2%; Score 49.6; DB 6; Length 747;
 Best Local Similarity 60.3%; Pred. No. 0.0071; Mismatches 54; Indels 0; Gaps 0;
 Matches 82; Conservative 0; MisMatches 54; InDels 0; Gaps 0;
 ;
 Qy 19 GCCTCTCCACAGCAATCTCACAGAAGGGTTATGGAGTGTTCACACCATGTGACC 78
 Db 137 GCTCTTCACAGGATTCTCACACGGTTATGGAGTGTTCACACCATGTGACC 78
 Qy 79 ACTCCAGACTGGCGCTTACCGGATCTTCACAGGGAGTGTGACCTGTGACA 138
 Db 77 ACATCCGACCATGGCTTCACAGGACTTGTGAGTGTGACCTGTGACA 138
 Prior Filing Date: 2002-03-22
 Software: Patentin Ver. 3.2
 Number of Seq Id Nos: 35
 Seq Id No: 7
 Length: 1658
 Type: DNA
 Feature: Organism: Homo sapiens
 Name/Key: CDS
 Location: (64)..(1299)
 Other Information: IGS4B short version
 ;
 ; US-11-170-153-7
 ;
 Query Match 3.2%; Score 50.4; DB 7; Length 1658;
 Best Local Similarity 48.9%; Pred. No. 0.0071; Mismatches 0; MisMatches 141; InDels 0; Gaps 0;
 Matches 135; Conservative 0; Gaps 0;
 ;
 Qy 487 TGCCTCTGGACTGAGGCTGCTGTGGGGCCGTCGTCACCTGCTCTAAGTG A 546
 Db 371 TGCGGCCAACTACCCCTTGTGTCGGGCCGTCGGCTACTCAAGAGGGCCTCT 430
 Qy 547 TGCATGAGGGAGGAGGCGTACGCAAGCAGCTCACACTGGCCGGTCAAGCCTG 606
 Db 431 TTGAGACCGTGTGCTGCGTCCATCTCAGCATACACCGTGAGGTGAGCCATGG 490
 Qy 607 TGCCTGCTTCATGGGGTACTGGCGCTGGCGCCCTGAGGACTCAGGGGAC 726
 Db 551 TCCCTGGCATGCTGGGGTTCCTCGTGTCTTCCCTCCACACAGATCCATG 610
 Qy 727 GCGTGTCCGAGGCGCTTCCCGCGGGGACACAG 762
 Db 611 GCATCAAGTTCACACTTCCCACATGGTCCCTGG 646
 ;
 RESULT 12
 ; Sequence 1, Application US/10502893
 ; Publication No. US2005025529A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BAYER HEALTHCARE AG
 ; APPLICANT: Golz, Stefan
 ; APPLICANT: Bruggemeier, Ulf
 ; APPLICANT: Geerts, Andreas
 ; TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with a New
 ; FILE REFERENCE: Lea 35 827

Mon Dec 12 05:49:06 2005

usb-10-077-698-5.rnpbn

Page 7

QY 1033 TCATCATCACATCCCTCATCTGATCAAACCTCCGGCAGGACCTGGTCATC 1088
Db 329 TCACTTCGGCGTCGGCATCCCTGTCATCATCCCTCTCATTCATTCATC 274

Search completed: December 9, 2005, 06:30:03
Job time : 728 secs

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QY 541 ACGTGTGACAATGAGCCGAGCTCACGATCCTCACACTGGCCGGTAGCCCTGGAC 600
 Db 541 ACGTGTGACAATGAGCCGAGCTCACGATCCTCACACTGGCCGGTAGCCCTGGAC 600
 QY 601 GCATGGTGCAATGTCGGCCMCCGGCGGCCTGAGGGCCGGGGACTCAG 650
 Db 601 GCATGGTGCAATGTCGGCCMCCGGCGGCCTGAGGGCCGGGGACTCAG 650
 QY 661 CGGACTGCGCTTCATATGGTTACTCGGCTCGGGCGCTGCCCTACATC 720
 Db 661 CGGACTGCGCTTCATATGGTTACTCGGCTCGGGCGCTGCCCTACATC 720
 QY 661 CGGACTGCGCTTCATATGGTTACTCGGCTCGGGCGCTGCCCTACATC 720
 Db 721 TGTCCCGGTGTCGGCAACGCCCTCCGGGGGACCCGAAATTCCGAT 780
 QY 721 TGTCCCGGTGTCGGCAACGCCCTCCGGGGGACCCGAAATTCCGAT 780
 Db 721 TGTCCCGGTGTCGGCAACGCCCTCCGGGGGACCCGAAATTCCGAT 780
 QY 781 TGGATGGCCCACCGCATAGSAGAACATCTCATGGATGTGTTTGA 840
 Db 781 TGGATGGCCCACCGCATAGSAGAACATCTCATGGATGTGTTTGA 840
 QY 841 TCTCTGGCGCGGACTCGTGTGATCGTGTGATGTTCTCCAA 900
 Db 841 TCTCTGGCGCGGACTCGTGTGATGTTCTCCAA 900
 QY 901 CATCGGGAGAGGGCTACCGTGTGACATCTGTGAGGACCCATCCCGT 960
 Db 901 CATCGGGAGAGGGCTACCGTGTGACATCTGTGAGGACCCATCCCGT 960
 QY 961 CCCAACAGACTACCACTCTCCGACGCTTCTCGTCATGTTCTTCATCA 1020
 Db 961 CCCAACAGACTACCACTCTCCGACGCTTCTCGTCATGTTCTTCATCA 1020
 QY 1021 TGTGGATCCATCATCACCATCTCTCATCTGACAAACTCGGAGGACC 1080
 Db 1021 TGTGGATCCATCATCACCATCTCTCATCTGACAAACTCGGAGGACC 1080
 QY 1081 TGGTCATCTGCCATCCTTCTCTGGGCTGTCAGTTGCACTGTGCC 1140
 Db 1081 TGGTCATCTGCCATCCTTCTCTGGGCTGTCAGTTGCACTGTGCC 1140
 QY 1141 TAACCCACATCTGTACAATACTGGCTGTGAGAACGATGGGAGAATTITGC 1200
 Db 1141 TAACCCACATCTGTACAATACTGGCTGTGAGAACGATGGGAGAATTITGC 1200
 QY 1201 GCTTCCTTTCAGAAGGGCCATTTCAGATAGCTCTGTCAGGGAAATGACT 1260
 Db 1201 GCTTCCTTTCAGAAGGGCCATTTCAGATAGCTCTGTCAGGGAAATGACT 1260
 QY 1261 TGTCCTTATTCAGGCTTAAGGCTGTCAGGATGGGAGAATTITGC 1320
 Db 1261 TGTCCTTATTCAGGCTTAAGGCTGTCAGGATGGGAGAATTITGC 1320
 QY 1321 GGGAGTAACTCAAGGAAGGCCAACAGCGCCCTGTTAAATACCGACTTCA 1380
 Db 1321 GGGAGTAACTCAAGGAAGGCCAACAGCGCCCTGTTAAATACCGACTTCA 1380
 QY 1381 ACAGAGGCTTACCGAGCAGCAAATAGAATGATGCTCTGATGATAAATTT 1440
 Db 1381 ACAGAGGCTTACCGAGCAGCAAATAGAATGATGCTCTGATGATAAATTT 1440
 QY 1441 TCCTTAAGGAACTCTATGGTCTTGTGACTTTTAAGTGTGTTGAAAT 1500
 Db 1441 TCCTTAAGGAACTCTATGGTCTTGTGACTTTTAAGTGTGTTGAAAT 1500
 QY 1501 GATCTAGTTAATTTTAACTGGTCTCACAAAAAAA 1560
 Db 1501 GATCTAGTTAATTTTAACTGGTCTCACAAAAAAA 1560
 RESULT 3
 US-09-261-599B-2
 ; Sequence 2, Application US/09261599B

; Patent No. 6395877
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; TITLE OF INVENTION: 14273 Receptor, A No. 6395877el G-Protein Coupled Receptor
; FILE REFERENCE: 5800-4B, 03580/177086
; CURRENT APPLICATION NUMBER: US09/261,599B
; CURRENT FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 091107, 761.
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: 091223, 538
; NUMBER OF SEQ ID NOS: 7
; SEQ ID NO: 2
; LENGTH: 1743
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-261-599B-2
; Query Match 55.5%; Score 866.2; DB 3; Length 1743;
; Best Local Similarity 80.5%; Pred. No. Se-193; Mismatches 2;
; Matches 1044; Conservative 0; Indels 15; Gaps 2;
; QY 181 GCGCGCGCGCGCGATGTCCTGAGTGACAGAGGGCCGTCCTCGAC 240
 Db 30 GCGCGCGCGCGATGTCCTGAGTGACAGAGGGCCGTCCTCGAC 240
 QY 241 CCCTGACCAAGTCATCGACCCACTTCCTTCTCTCGATGATGTCAGG 300
 Db 90 GCGCGCGCGCGATGTCCTGAGTGACAGAGGGCCGTCCTCGAC 149
 QY 301 GGTTGGTGTGAGGCTGTTGAGACCCGTTCTGAGCTCATTTGTTGTC 360
 Db 150 GGCTGGTGTGCGGGTGTGAGACACCTGCTGTCAGTGTGTC 209
 QY 361 TGGGACCTGTCCTGAGCTGTTGAGCTGCGCCGCTGCGCGCTGCG 420
 Db 210 TGGGACCTGTCCTGAGCTGCGCCGCTGCGCGCTGCGCG 269
 QY 421 GCCTGGTGTGTCACCTCTCTGCGCGATTTGCTCTACCGGGCATCCCTAGTC 480
 Db 270 GCGCTGACTCACCTCTCTGCGCGACTCTCTGCGCGATTCCTGCG 329
 QY 481 TCGTGTGGCTGAGGCTGCTGGCTGGCCCTCTGCGCGACTCTCT 540
 Db 330 TGGGCGGGCTGGACTGAGGCTGCTGCTGGCCCTCTGCGCGACTCTCT 389
 QY 541 ACGTGTGACAATGAGCCGAGCTCCATCTCACGTTGAGGAGAATTITGC 600
 Db 390 ACGTGTGACAATGAGCCGAGCTCCATCTCACGTTGAGGAGAATTITGC 449
 QY 601 GCATGGTGCGCATGTCGCGCTCCGGCGGGCTGAGGGCCGGGGGGGG 660
 Db 450 GCATGGTGCGCATGTCGCGCTCCGGCGGGCTGAGGGCCGGGGGGGG 509
 QY 661 CGGACTGCGCTTACATGGGGTACTCGGGCTGGGGCTGCCCTPACATC 720
 Db 510 CAGTGTGCGCTCATCTGGGGTACTCGGGCTGGGGCTGCCCTPACATC 569
 QY 721 TGGTGGCGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 780
 Db 570 TCTTGTGAGCTGTCGGCGACGCTCCGGCGCGACGAAATTGATGTTGAC 629
 QY 781 TGGTGGCGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 840
 Db 630 TGAATTGGCCACCATCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 689
 QY 841 TCCCTGGCGGGACTGGTCTGAGTACTCCAAATTACGATCAGGAAG 900
 Db 690 TCTTGTGCGGAGCTGGTCTGAGTACTCCAAATTACGATCAGGAAG 749
 QY 901 CATGGGGAGGACTGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 960


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; ORGANISM: Mus musculus
; US-09-456-455A-15
Qy 1367 ATACCCGACTTCACAAAGCAGGGCTCTAGGAGCCAGAAATTAGGAATGACGCCAG 1426
Db 1230 A-AATGAACTTATGCAARTGACATCACAGCGTGTAAATTAGGSGTGATCACCAG 1288
Qy 1427 TAAAGAATTTCTTAAGAGACTTCTATGGG 1463
Db 1289 TTCTAAATTTCCCTTATAAGGATTGTTGG 1325
RESULT 5
; Sequence 14, Application US/09456455A
; Patent No. 6448005
; GENERAL INFORMATION:
; APPLICANT: Tsai, Fong-Ying
; TITLE OF INVENTION: 1427 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MNI-204C33
; CURRENT APPLICATION NUMBER: US/09/456, 455A
; CURRENT FILING DATE: 1998-12-08
; PRIORITY NUMBER: 09/107, 761
; PRIORITY FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 181
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-456-455A-14

Query Match 11.6%; Score 181; DB 3; Length 181;
Best Local Similarity 100.0%; Pred. No. 6.8e-33; Mismatches 0; Indels 0; Gaps 0;
Matches 181; Conservative 0; Missmatches 0;
Qy 1021 TGGGAGTCATCATCACCTACCTTCTCATCTTGATGCCAACTTCGGGGAGCC 1080
Db 1 TGGGAGTCATCATCACCTACCTTCTCATCTTGATGCCAACTTCGGGGAGCC 60
Qy 1081 TGGTATCTGGCCATCCCTTCTGGGGCCCTCACGTTCACTTCGGGGAGCC 1140
Db 61 TGGTATCTGGCCATCCCTTCTGGGGCCCTCACGTTCACTTCGGGGAGCC 120
Qy 1141 TAACCCATACTGACAACATGGCTTCAGGAAAGATGGGAGATTTCCT 1200
Db 121 TAACCCATACTGACAACATGGCTTCAGGAAAGATGGGAGATTTCCT 180
Qy 1201 G 1201
Db 181 G 181

RESULT 6
; Sequence 15, Application US/09456455A
; GENERAL INFORMATION:
; APPLICANT: Gluckmann, Maria A.
; APPLICANT: Tsai, Fong-Ying Receptor, A No. 6448005el G-Protein Coupled Receptor
; TITLE OF INVENTION: 1427 Receptor, A No. 6448005el G-Protein Coupled Receptor
; FILE REFERENCE: MNI-204C33
; CURRENT FILING DATE: 1998-12-08
; PRIORITY NUMBER: 09/107, 761
; PRIORITY FILING DATE: 1998-06-30
; PRIORITY APPLICATION NUMBER: 09/223, 538
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 138
; TYPE: DNA

Query Match 8.8%; Score 138; DB 3; Length 138;
Best Local Similarity 100.0%; Pred. No. 7.3e-23; Mismatches 0; Indels 0; Gaps 0;
Matches 138; Conservative 0; Missmatches 0;
Qy 909 AGAGGCTTACGGTCACTTGCACTTGAGGCCACAGATCCGAGTTGCCAACAA 968
Db 1 AGAGGCTTACGGTCACTTGCACTTGAGGCCACAGATCCGAGTTGCCAACAA 60
Qy 969 GACTTACGGACTTCTGGCCAGCTTCCTGTCATGGTTCTCTTCATCTGAGT 1028
Db 61 GACTTACGGACTTCTGGCCAGCTTCCTGTCATGGTTCTCTTCATCTGAGT 120
Qy 1029 CCCATCATCATCACCATC 1046
Db 121 CCCATCATCATCACCATC 138

RESULT 7
; Sequence 472, Application US/09328111
; Patent No. 626233
; GENERAL INFORMATION:
; APPLICANT: Endge, Wilson O.
; APPLICANT: Steinmann, Kathleen O.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derr, Adnan M.
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schliegel, Robert E.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 6 0/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 472
; LENGTH: 241
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-472

Query Match 8.2%; Score 128.4; DB 3; Length 241;
Best Local Similarity 89.6%; Pred. No. 1.6e-20; Mismatches 16; Indels 0; Gaps 0;
Matches 138; Conservative 0; Missmatches 0;
Qy 18 AGCCTCTTCACTGCATCTCACAGAGGGGTCATGGAGTCTCACACCATGAC 77
Db 85 AGCTCTCTCACCGATCTCACAGAAGGGGTCATGGAGTCTCACACCATGAC 144
Qy 78 CACTCCAGACTTCGGGCTTACCGGAACTTCACAGGGAGTCATGGAGTCTCACACCATGAC 137
Db 145 CACACCGGTCCTGTCAGGTTCTCGGATCTTCACGGGTAGTCGATGACCCCTCTGAC 204
Qy 138 AGCCACGAGCGCGCGAGSTCSCCATCTTCGG 171
Db 205 AGCTTACGGACACGGCAGCTCCGCGATCTTC 238
RESULT 8
; Sequence 568, Application US/09949016
; Patent No. 681239

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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C2001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 5658
; LENGTH: 835
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-5658

Query Match 8.2%; Score 129.4; DB 3; Length 835;
Best Local Similarity 89.6%; Pred. No. 2.5e-20;
Matches 138; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

QY 18 AGCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 77
Db 174 AGCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 115

QY 78 CACTCCAGACTTGCGCGTTACCGCATCTCCCG 171
Db 114 CACACGGTCTCTGTCAGGCTTCAGGGATCTACGGGTAGTCATGAC 137

QY 138 AGCCCGAGGGCGCAGCTCCGCATCTCCCG 171
Db 54 AGCTAGACGACGGCGACGCTCGCATCTCCCG 21

RESULT 9
US-09-513-999C-2279/C
; Sequence 2279, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.us22.REG
; CURRENT APPLICATION NUMBER: US/09/513, 999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122, 487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 3681
; SOFTWARE: Patent.pm
; SEQ ID NO 2279
; LENGTH: 487
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: 202..486
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 99
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 146
; OTHER INFORMATION: n=a, g, c or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 147

; OTHER INFORMATION: r=a or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 151
; OTHER INFORMATION: s=g or c

US-09-513-999C-2279
Query Match 6.8%; Score 106; DB 3; Length 487;
Best Local Similarity 70.4%; Pred. No. 3.6e-15;
Matches 164; Conservative 3; Mismatches 64; Indels 2; Gaps 2;

QY 18 ASCCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 77
Db 237 AGCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 178

QY 78 CACTCCAGACTTGCGCGTTACCGCATCTCCCG 171
Db 177 AGCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 118

QY 137 CAGCCACAGCGCCGAGCTCGCCATCTCCGGAGCGCTGGGGGCCCGCAT 196
Db 117 CAGCTAGAGCACGGCA-STCGCCATCTCCGGCAGCACTTGAC 59

QY 197 GRCGCGTAGTGCGAACAGACGACGCGGCCCTGGCTCTCGCACCTGGACC 249
Db 58 GCACCCCTAGCCGCTCGATCCAGTCAGTCAGCCACCCCCCAGCC 6

RESULT 10
US-09-270-67-10990/C
; Sequence 10990, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270, 767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10990
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; US-09-270-67-10990

Query Match 5.2%; Score 80.6; DB 3; Length 722;
Best Local Similarity 74.8%; Pred. No. 3.7e-09;
Matches 101; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 19 GCCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 78
Db 166 GCCCTCTTCACTGCAATCTACAGAAGGGTCATGGAGGTCTACAGAAAGGGT 107

QY 79 ACTCCAGACTTGCGCGTTACCGCATCTACAGCGGACTGATGACCTCTGAC 138
Db 106 ACCGACGACTTGCGCGTTGACGCGCACCTTGACGCGTAGTCGATCACGCTTA 47

QY 139 GCCACGAAGCGGGGC 153
Db 46 CCACCAAAACAGC 32

RESULT 11
US-09-349-016-201753
; Sequence 201753, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C2001307
; CURRENT APPLICATION NUMBER: US/09/949, 016

